



The CENTRE for EDUCATION  
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION  
en MATHÉMATIQUES et en INFORMATIQUE

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

**2019**

***Results***

**2019**

***Résultats***

***Euclid Contest***

***Concours Euclide***



UNIVERSITY OF  
**WATERLOO**

*Centre for Education in Mathematics and Computing Faculty and Staff /  
Personnel du Centre d'éducation en mathématiques et informatique*

Ed Anderson	Sandy Graham
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Terry Bae	Angie Hildebrand
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Serge D'Alessio	Bev Marshman
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Melissa Giardina	Ashley Sorensen
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	Troy Vasiga
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*Problems Committee / Comité des problèmes*

Fiona Dunbar (Chair / présidente), University of Waterloo, Waterloo, ON  
 Steve Brown, University of Waterloo, Waterloo, ON  
 Janet Christ, Walter Murray C.I., Saskatoon, SK  
 Serge D'Alessio, University of Waterloo, Waterloo, ON  
 Charlotte Danard, Toronto, ON  
 Garry Kiziak, Burlington, ON  
 Jeremy Klassen, Ross Shepherd H.S., Edmonton, AB  
 Darren Luoma, Bear Creek S.S., Barrie, ON  
 Paul McGrath, University of Waterloo, Waterloo, ON  
 Alex Pintilie, Crescent School, Toronto, ON  
 David Pritchard, Los Angeles, CA  
 Laurissa Werhun, Parkside C.I., Toronto, ON  
 Peter Wood, University of Waterloo, Waterloo, ON

### Overall Comments

Congratulations to all of the participants in the 2019 Euclid Contest. The average score in 2019 was 54.8. We were very pleased that almost all students achieved some success on the early parts of the paper. At the same time, the later parts of these problems managed to challenge the top students even more than last year's problems. Special congratulations go to the 131 official contestants who achieved scores of 90 and higher this year.

We at the Centre for Education in Mathematics and Computing believe strongly that it is very important for students to both learn to solve mathematics problems and learn to write good solutions to these problems. Many students do a reasonable job of writing solutions, while others still include no explanation whatsoever.

Special thanks go to the Euclid Committee that annually sets the Contest problems and manages to achieve a very difficult balancing act of providing both accessible and challenging problems on the same paper.

To the students who wrote, the parents who supported them, and the teachers who helped them along the way, thank you for your continuing participation and support. We hope that you enjoyed the Contest and relished the challenges that it provided. We hope that mathematics contests continue to feed your love for and interest in mathematics.

### Specific Comments

1. Average: 9.4

Very well done. A common error in part (b) was ignoring the requirement that  $a$  be an integer.

2. Average: 9.2

In part (a), many students used an incorrect formula for area, or used incorrect radii for the circles. A common error in part (b) was to correctly determine the elapsed time and then apply it to the incorrect starting time. For part (c), common errors included substituting the coordinates of the point  $(9, 2)$  incorrectly.

3. Average: 8.9

Part (a) was well done. A common error in part (b) was to say that  $32^{4/3}$  was equal to  $16^{8/3}$ . In part (c), which required application of exponent laws, the most common errors came from applying logarithmic laws incorrectly.

4. Average: 7.5

Part (a) was reasonably well done. A common source of difficulty was not realizing that  $\triangle ADC$  is an isosceles triangle. A common misconception in part (b) was that the  $x$ - and  $y$ -coordinates needed to be equal, and this led to finding only one of the possible solutions.

5. Average: 4.8

Part (a) was done fairly well, but there was often not much work shown. Some students who solved this by trial and error were only able to find one answer. Common mistakes included looking at numbers that add to 50, or giving the answer of  $(a, b) = (\sqrt{2}, \sqrt{32}), (\sqrt{8}, \sqrt{18})$ .

For part (b), a high percentage of students made the connection to positive divisors of 2000. Students who did not make this connection often worked with the first equation and began counting pairs that add to 2000. Common mistakes included not being explicit about why the positive divisors of 2000 were listed, or miscounting the number of divisors.

6. Average: 3.6

In part (a), most students were able to calculate the interior angle in the pentagon, but many students were stopped at this point. Many students incorrectly assumed the diagram was to scale, and would use it to construct a polygon with either 10 or 11 sides.

There were many ways to solve part (b), including coordinatizing, using similar triangles, slopes of lines, tangents, vectors, Pythagorean Theorem, and using other less-known geometric formulas and properties. Most attempts that we saw had an argument that used similar triangles somehow. Common mistakes included assuming the conclusion, using weak or not properly justified arguments, and large jumps in logic. Some students scaled the problem by fixing a value for  $AD$ , which is acceptable since this makes  $AD$  the unit of measure. However, some students also fixed a value for the common ratio in the geometric sequence, which results in a “proof” by example.

7. Average: 5.0

Most students either knew how to do part (a) or did not. Common mistakes included using incorrect logarithm rules or using correct rules incorrectly, and not excluding the values of  $x$  that violate the domain of the logarithm.

Part (b) was done fairly well. Most students solved the problem as we did in our solutions; however, many students expanded  $f(f(f(x)))$  into a degree 8 polynomial and then looked for the roots. For full marks, students needed to show the algebraic steps to find these roots, rather than simply writing these numbers down. Common mistakes included not working through enough layers of the composition and also discounting the irrational roots.

8. Average: 2.5

It was great to see so many correct final answers for part (a). Most students correctly identified right angles at the centre of the circle and points of tangency. The Pythagorean Theorem, similar triangles and/or trigonometry were then commonly used to find the length of  $DS$ . Marks were sometimes deducted for not justifying this sufficiently, using inexact values to end with an approximate value close to 0.35, or supplying an unsimplified final answer such as  $\tan(\sin^{-1}(\frac{1}{3}))$ .

Part (b) seemed to stump many students. The biggest hurdle was to realize that  $\cos \theta + \sin \beta = \frac{\pi}{2}$  in the first quadrant and apply this to  $\theta = \frac{3}{2} \cos x$  and  $\beta = \frac{3}{2} \sin x$ . It was important to explain why  $0 < \theta < \frac{\pi}{2}$  and  $0 < \beta < \frac{\pi}{2}$ . Students who made this observation were often able to square both sides and yield the correct final answer.

9. Average: 3.5

The first two parts of Question 9 were done very well but the contest became particularly difficult in the second half of this question. In part (c), we did see some very nice solutions. One approach used a quadratic solution as in the posted solution but it was more common to see the problem broken into cases using the fact that every integer can be written in the form  $3k$ ,  $3k + 1$  or  $3k + 2$ , where  $k$  is an integer. A small number of students noticed a pattern involving Fibonacci numbers in part (d) but even fewer fully justified the correctness of their answers.

10. Average: 0.4

Question 10 was very challenging and involved understanding there different scenarios involving probability. Since there were many attempts to answer part (a), we recommend reading the solutions to see one way to get the correct answer of  $\frac{7}{15}$ .

**Please visit our website at [cemc.uwaterloo.ca](http://cemc.uwaterloo.ca) to download the 2019 Euclid Contest, plus full solutions.**

### Commentaires Généraux

Félicitations à tous les participants du Concours Euclide 2019. La note moyenne était 54,8. Nous avons eu le plaisir de constater que presque tous les élèves ont eu du succès dans les premières questions. De plus, les dernières parties de ces problèmes présentaient un plus grand défi pour les meilleurs étudiants que l'année dernière. Des félicitations spéciales vont aux 131 concurrents officiels qui ont atteint une note supérieure ou égale à 90 sur 100.

Le Centre d'éducation en mathématiques et en informatique croit fortement qu'il est très important pour les étudiant(e)s d'apprendre à résoudre des problèmes de mathématiques ainsi que d'apprendre à écrire de bonnes solutions à ces problèmes. Plusieurs étudiants développent leurs solutions raisonnablement bien, tandis que d'autres n'incluent aucune explication avec leurs réponses.

Un grand merci va au comité du concours Euclide qui rassemble annuellement les problèmes du concours et réussit à accomplir la tâche difficile de concevoir des problèmes accessibles et stimulants sur le même examen.

Un grand merci aux étudiant(e)s qui ont écrit, aux parents qui les ont soutenus et aux enseignant(e)s qui les ont aidés pour votre participation continue et votre soutien. Nous espérons que vous avez apprécié le concours et savouré les défis qu'il a présentés. Nous espérons que les concours de mathématiques continuent à nourrir votre amour et intérêt pour les mathématiques.

### Remarques particulières

1. Moyenne: 9,4

Ce problème a été très bien réussi. Une erreur courante dans la partie (b) consistait à ignorer la condition que  $a$  devait être un entier.

2. Moyenne: 9,2

Dans la partie (a), de nombreux étudiants ont utilisé une formule incorrecte pour l'aire ou utilisé des rayons incorrects pour les cercles. Une erreur courante dans la partie (b) était de déterminer correctement le temps écoulé puis de l'appliquer à une heure de début incorrecte. Pour la partie (c), les erreurs courantes se trouvaient dans la substitution incorrecte des coordonnées du point  $(9, 2)$ .

3. Moyenne: 8,9

La partie (a) a été bien réussie. Une erreur courante dans la partie (b) était de dire que  $32^{4/3}$  était égal à  $16^{8/3}$ . Dans la partie (c), qui nécessitait l'application des lois des exposants, les erreurs les plus courantes provenaient de l'application incorrecte des lois logarithmiques.

4. Moyenne: 7,5

La partie (a) a été raisonnablement bien réussie. Une source de difficulté courante était de ne pas réaliser que  $\triangle ADC$  est un triangle isocèle. Une idée communément fautive dans la partie (b) était que les coordonnées  $x$ - et  $y$ - devaient être égales, ce qui a conduit à ne trouver qu'une des solutions possibles.

5. Moyenne: 4,8

La partie (a) a été assez bien réussie, mais souvent, peu de travail présenté. Certains étudiants, qui ont résolu ce problème par tâtonnement, n'ont pu trouver qu'une seule réponse. Rechercher des nombres qui s'ajoutent à 50, ou répondre  $(a, b) = (\sqrt{2}, \sqrt{32}), (\sqrt{8}, \sqrt{18})$  étaient les erreurs les plus courantes.

Pour la partie (b), un pourcentage élevé d'étudiants a établi la connexion avec des diviseurs positifs de 2000. Les étudiants qui ne l'ont pas fait ont souvent travaillé avec la première équation et ont commencé à compter les paires qui s'ajoutent à 2000. Les erreurs courantes étaient notamment de ne pas expliquer de façon claire pourquoi les diviseurs positifs de 2000 étaient répertoriés ou faire des erreurs de décompte du nombre de diviseurs.

6. Moyenne: 3,6

Dans la partie (a), la plupart des étudiants étaient capables de calculer l'angle intérieur dans le pentagone,

mais de nombreux étudiants se sont arrêtés là. De nombreux étudiants ont supposé, à tort, que le diagramme était à l'échelle et l'ont utilisé pour construire un polygone de 10 ou 11 côtés.

Il y avait de nombreuses façons de résoudre la partie (b), y compris en attribuant des coordonnées, en utilisant des triangles similaires, des pentes de lignes, des tangentes, des vecteurs, le théorème de Pythagore, et en utilisant d'autres formules et propriétés géométriques moins connues. La plupart des tentatives que nous avons vues appliquaient un raisonnement utilisant des triangles similaires. Parmi les erreurs courantes, mentionnons, conclusion présupposée, en utilisant des arguments faibles ou mal justifiés et de grands raccourcis dans le raisonnement. Certains étudiants ont adapté le problème en attachant une valeur à  $AD$ , ce qui est acceptable dans la mesure où cela fait de  $AD$  l'unité de mesure. Cependant, certains étudiants ont également attaché une valeur pour le rapport commun dans la séquence géométrique, ce qui donne une "preuve" par l'exemple.

#### 7. Moyenne: 5,0

Pour la plupart des étudiants, soit ils savaient comment résoudre la partie (a) soit ils ne savaient pas. L'utilisation de logarithmes incorrects ou de règles correctes mais mal employées étaient des erreurs courantes, de même que le fait de ne pas exclure les valeurs de  $x$  qui enfreignent le domaine du logarithme.

La partie (b) a été assez bien réussie. La plupart des étudiants ont résolu le problème comme nous l'avons fait dans nos solutions. Cependant, de nombreux étudiants ont développé  $f(f(f(x)))$  en un polynôme de degré 8, puis ont recherché les racines. Pour obtenir la totalité des points, les étudiants devaient montrer les étapes algébriques pour trouver ces racines, plutôt que de simplement les écrire. Ne pas suffisamment détailler son travail et ne pas tenir compte des racines irrationnelles étaient des erreurs courantes.

#### 8. Moyenne: 2,5

C'était formidable de voir autant de réponses correctes pour la partie (a). La plupart des étudiants ont correctement identifié les angles droits au centre du cercle ainsi que les points de tangence. Le théorème de Pythagore, les triangles similaires et/ou la trigonométrie ont ensuite été généralement utilisés pour trouver la longueur de  $DS$ . Des points ont parfois été retirés dans le cas où les justifications étaient insuffisantes, ou des valeurs inexactes étaient utilisées pour aboutir à une valeur approximative de 0,35, ou lorsque la réponse finale donnée n'était pas simplifiée, telle que  $\tan(\sin^{-1}(\frac{1}{3}))$ .

Il semble que la partie (b) a dérouté de nombreux étudiants. Le plus gros obstacle était de réaliser que  $\cos \theta + \sin \beta = \frac{\pi}{2}$  dans le premier quadrant et de l'appliquer à  $\theta = \frac{3}{2} \cos x$  et  $\beta = \frac{3}{2} \sin x$ . Il était important d'expliquer pourquoi  $0 < \theta < \frac{\pi}{2}$  et  $0 < \beta < \frac{\pi}{2}$ . Les étudiants ayant fait cette observation étaient souvent capables de concilier les deux côtés et de donner la bonne réponse.

#### 9. Moyenne: 3,5

Les deux premières parties de la question 9 ont été très bien réussies, mais le concours est devenu particulièrement difficile dans la seconde partie de cette question. Nous avons vu de très bonnes solutions dans la partie (c). Une approche utilisait une solution quadratique comme dans la solution publiée mais il était plus courant de voir le problème divisé en cas, en utilisant le fait que chaque entier pouvait être écrit sous la forme  $3k$ ,  $3k + 1$  ou  $3k + 2$ , où  $k$  est un entier. Un petit nombre d'étudiants a remarqué une tendance impliquant des nombres de Fibonacci dans la partie (d), mais encore moins ont pleinement justifié l'exactitude de leurs réponses.

#### 10. Moyenne: 0,4

La question 10 était très difficile et nécessitait la compréhension de différents scénarios impliquant des probabilités. Comme il y a eu de nombreuses tentatives pour répondre à la partie (a), nous vous recommandons de lire les solutions pour y voir un moyen d'obtenir la bonne réponse :  $\frac{7}{15}$ .

**Veillez visiter notre site Web à [cemc.uwaterloo.ca](http://cemc.uwaterloo.ca) pour télécharger le Concours Euclide 2019, avec solutions complètes.**

**STUDENTS / ÉLÈVES**

*Students are listed in alphabetical order. / Les élèves sont nommés en ordre alphabétique.*

<b>Plaques</b>	Howard Halim	University of Toronto Schools	Toronto, ON
	Michael Li	Marc Garneau C.I.	North York, ON
	Zhening Li	Sir John A. Macdonald S.S.	Waterloo, ON
	Victor Rong	Marc Garneau C.I.	North York, ON
	Zixiang Zhou	London Central S.S.	London, ON

**Each plaque winner receives a \$500 cash prize from the Centre for Education in Mathematics and Computing. /**

**Chaque élève qui reçoit une plaque recevra aussi un prix de 500 \$ du Centre d'éducation en mathématiques et en informatique.**

<b>Honourable Mentions / Mentions Honorables</b>	Xinhua Cao	Robert Thirsk High School	Calgary, AB
	Andrew Dong	Centennial C. and V.I.	Guelph, ON
	Michael Hahn	University Hill S.S.	Vancouver, BC
	Anna Krokhine	University of Toronto Schools	Toronto, ON
	Leonid Nediak	Regiopolis-Notre Dame C.H.S.	Kingston, ON
	Eric Shen	University of Toronto Schools	Toronto, ON
	David Tang	University of Toronto Schools	Toronto, ON
	Edgar Wang	Marianopolis College	Westmount, QC
	Jing Wang	North Toronto C.I.	Toronto, ON
	Kevin Wan	Marc Garneau C.I.	North York, ON
	Scott Xu	Vincent Massey S.S.	Windsor, ON
	Boya Yang	Burnaby South S.S.	Burnaby, BC
	Haozhe Yang	Walter Murray C.I.	Saskatoon, SK

**Each student awarded an Honourable Mention receives a \$200 cash prize from the Centre for Education in Mathematics and Computing. /**

**Chaque élève qui reçoit une mention honorable recevra aussi un prix de 200 \$ du Centre d'éducation en mathématiques et en informatique.**

**TEAMS / ÉQUIPES**

Champion / Première	Marc Garneau C.I.	North York, ON
	University of Toronto Schools	Toronto, ON
Third / Troisième	Vincent Massey S.S.	Windsor, ON
Fourth / Quatrième	Centennial C. and V.I.	Guelph, ON
	University Hill S.S.	Vancouver, BC

Number of schools registered by province /  
 Nombre d'écoles inscrit par province

AB	57
BC	199
MB	36
NB	26
NL	14
NS	25
ON	794
PE	5
QC	27
SK	25
YT	2
International	689
Total	<u>1899</u>

Number of students registered by province / Nombre d'étudiants inscrit par province

AB	496
BC	2477
MB	290
NB	156
NL	103
NS	202
ON	10874
PE	51
QC	279
SK	152
YT	9
International	9608
Total	<u>24697</u>

Total number of students enrolled / Nombre d'inscriptions individuelles: 24697



Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
100	1	49	12937
99	7	48	13337
98	13	47	13725
97	17	46	14106
96	27	45	14464
95	34	44	14859
94	41	43	15227
93	48	42	15578
92	56	41	15902
91	71	40	16270
90	103	39	16604
89	132	38	16946
88	181	37	17284
87	240	36	17632
86	317	35	17944
85	402	34	18234
84	514	33	18504
83	700	32	18787
82	859	31	19042
81	1049	30	19232
80	1260	29	19451
79	1497	28	19647
78	1765	27	19812
77	2045	26	19959
76	2338	25	20075
75	2643	24	20205
74	2932	23	20319
73	3241	22	20418
72	3598	21	20497
71	3956	20	20565
70	4355	19	20628
69	4694	18	20682
68	5081	17	20723
67	5461	16	20756
66	5833	15	20790
65	6213	14	20821
64	6637	13	20835
63	7028	12	20861
62	7390	11	20877
61	7769	10	20893
60	8240	9	20903
59	8665	8	20910
58	9071	7	20916
57	9526	6	20922
56	9965	5	20932
55	10437	4	20935
54	10877	3	20936
53	11306	2	20942
52	11712	1	
51	12121	0	20944
50	12540		

**N.B. These rankings pertain to eligible contestants only /**

**N.B. Ces rangs se rapportent seulement aux concurrents admissibles**

2019  
Euclid Contest/Concours Euclide  
Team Honour Roll/Palmarès d'équipes

Rank/Rang	School/École	City/Ville	Score/Note
1	Marc Garneau C.I.	North York	296
1	University of Toronto Schools	Toronto	296
3	Vincent Massey S.S.	Windsor	282
4	Centennial C. and V.I.	Guelph	274
4	University Hill S.S.	Vancouver	274
6	Marianopolis College	Westmount	273
7	Sir John A. Macdonald S.S.	Waterloo	271
8	Old Scona Academic H.S.	Edmonton	268
9	Appleby College	Oakville	266
10	Fraser Heights S.S.	Surrey	265
10	Western Canada H.S.	Calgary	265
12	Waterloo C.I.	Waterloo	263
13	Richmond Hill H.S.	Richmond Hill	262
13	Thornhill S.S.	Thornhill	262
15	Burnaby South S.S.	Burnaby	260
15	London Central S.S.	London	260
15	Victoria Park C.I.	North York	260
18	A.Y. Jackson S.S.	North York	259
18	Earl Haig S.S.	North York	259
18	Lisgar C.I.	Ottawa	259
21	Bayview S.S.	Richmond Hill	258
21	St. George's School	Vancouver	258
23	Prince of Wales S.S.	Vancouver	257
24	Deran Academy	Richmond Hill	256
24	L'Amoreaux C.I.	Scarborough	256
24	Upper Canada College (Upper School)	Toronto	256
24	William Lyon Mackenzie C.I.	North York	256
28	Alexander Mackenzie H.S.	Richmond Hill	255
29	John Fraser S.S.	Mississauga	254
29	Langstaff S.S.	Richmond Hill	254
31	Colonel By S.S.	Gloucester	253
31	Point Grey S.S.	Vancouver	253
31	White Oaks S.S.	Oakville	253
34	St. John's-Ravenscourt School	Winnipeg	252
35	Pierre Elliott Trudeau H.S.	Markham	251
35	Richmond S.S.	Richmond	251
35	Unionville H.S.	Markham	251
38	Markville S.S.	Markham	250
38	R.C. Palmer S.S.	Richmond	250
40	Sir Winston Churchill S.S.	Vancouver	249
40	St. Robert C.H.S.	Thornhill	249
42	Abbey Park H.S.	Oakville	248
42	Iroquois Ridge H.S.	Oakville	248
42	Pinetree S.S.	Coquitlam	248
42	Semiahmoo S.S.	Surrey	248
46	Don Mills C.I.	North York	247
46	Middlefield C.I.	Markham	247
46	Sir Winston Churchill H.S.	Calgary	247
46	St. Michael's Univ. School	Victoria	247
50	Bell H.S.	Nepean	246
50	Crescent School	North York	246
50	Glenforest S.S.	Mississauga	246
50	Moscrop S.S.	Burnaby	246

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants

Name/Nom	School/École	Location/Endroit	Grade/Niveau
<b>Group I/Groupe I</b>			
<b>Scores/Notes 100 - 100</b>			
HALIM	HOWARD	University of Toronto Schools	Toronto 12
LI	MICHAEL	Marc Garneau C.I.	North York 11
LI	ZHENING	Sir John A. Macdonald S.S.	Waterloo 10
RONG	VICTOR	Marc Garneau C.I.	North York 12
ZHOU	ZIXIANG	London Central S.S.	London 9
<b>Group II/Groupe II</b>			
<b>Scores/Notes 99 - 95</b>			
CAO	XINHUA	Robert Thirsk High School	Calgary 11
DONG	ANDREW	Centennial C. and V.I.	Guelph 10
HAHN	MICHAEL	University Hill S.S.	Vancouver 10
KROKHINE	ANNA	University of Toronto Schools	Toronto 11
NEDIAK	LEONID	Regiopolis-Notre Dame C.H.S.	Kingston 11
SHEN	ERIC	University of Toronto Schools	Toronto 10
SUN	GARY	Vincent Massey S.S.	Windsor 12
TANG	DAVID	University of Toronto Schools	Toronto 11
WAN	KEVIN	Marc Garneau C.I.	North York 11
WANG	EDGAR	Marianopolis College	Westmount 12
WANG	JING	North Toronto C.I.	Toronto 12
XU	SCOTT	Vincent Massey S.S.	Windsor 12
YANG	BOYA	Burnaby South S.S.	Burnaby 11
YANG	HAOZHE	Walter Murray C.I.	Saskatoon 9
ZHANG	XUNCHAO	Fraser Heights S.S.	Surrey 11
<b>Group III/Groupe III</b>			
<b>Scores/Notes 94 - 89</b>			
BEI	ER		Vancouver 9
CHAU	BRIAN	Woburn C.I.	Scarborough 11
CHEN	HONGYI	St. George's School	Vancouver 10
CHEN	IVAN	Victoria Park C.I.	North York 12
CHENG	OLIVER	Old Scona Academic H.S.	Edmonton 11
CHOURASIA	SIMHON	Marc Garneau C.I.	North York 11
DUAN	YUNDI	Western Canada H.S.	Calgary 11
FAN	QIYUE	Appleby College	Oakville 11
HU	HENRY	Waterloo C.I.	Waterloo 11
JIANG	TIAN HUA	Lisgar C.I.	Ottawa 11
KUSALIK	LIAM	The Renert School	Calgary 11
LEE	JUSTIN	The Hill Academy	Vaughan 12
LI	ROGER	Marc Garneau C.I.	North York 11
LI	YIJIA	St. Clement's School	Toronto 10
LI	YU		Calgary 11
LIU	SIYU	Appleby College	Oakville 11
LU	EVAN	Vincent Massey S.S.	Windsor 9
MAI	STEVEN	University of Toronto Schools	Toronto 12
NI	HAOYAN	Alexander Mackenzie H.S.	Richmond Hill 12
SAHAK	HSHMAT	Marc Garneau C.I.	North York 12
SON	HYEONJIK	A.Y. Jackson S.S.	North York 11
SZETO	WILLIAM	University of Toronto Schools	Toronto 10
TANG	YUN CHI	Centennial C. and V.I.	Guelph 12

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants

Group III/Groupe III

Scores/Notes 94 - 89

WAN	JIANGXU	University Hill S.S.	Vancouver	9
WANG	SEAN	Point Grey S.S.	Vancouver	12
WU	ZHIXUAN	Langstaff S.S.	Richmond Hill	10
YOUNG	MICHAEL	Upper Canada College (Upper Sc	Toronto	11
YU	LARRY	St. Michael's Univ. School	Victoria	11
YU	YOUNG	L'Amoreaux C.I.	Scarborough	11
ZHANG	KEVIN	Western Canada H.S.	Calgary	11
ZHANG	RICHARD	Marc Garneau C.I.	North York	10
ZHAO	WILLIAM	Richmond Hill H.S.	Richmond Hill	12
ZHOU	SAM	Sir Winston Churchill S.S.	Vancouver	12
ZHU	XIAOYU	Centennial C. and V.I.	Guelph	12
ZOU	ALVIN	Prince of Wales S.S.	Vancouver	12

Group IV/Groupe IV

Scores/Notes 88 - 86

CAO	JONATHAN	R.C. Palmer S.S.	Richmond	11
CARLSON	ANDREW	Old Scona Academic H.S.	Edmonton	10
CHEN	PANYU	Earl Haig S.S.	North York	11
CHENG	FREEMAN	Erindale S.S.	Mississauga	11
CUI	HAO		Markham	9
DENG	YI	William Lyon Mackenzie C.I.	North York	11
DING	ALBERT	Thornhill S.S.	Thornhill	12
GUO	CONNIE	Holy Names H.S.	Windsor	12
HE	WENFEI	Mount Douglas S.S.	Victoria	12
HESSAMI PILEHROOD	ANITA	Lester B. Pearson C.I.	Scarborough	11
HOTZ	JOEY	Northern S.S.	Toronto	12
HOU	JIAXUN	Bayview S.S.	Richmond Hill	11
HUANG	YUQING	R.E. Mountain S.S.	Langley	12
LALMAN	CATHERINE	Vincent Massey S.S.	Windsor	12
LI	JINMING	Deran Academy	Richmond Hill	12
LI	JONATHAN	Sir John A. Macdonald S.S.	Waterloo	12
LI	RUJING	Jaya Int'l H.S.	Mississauga	12
LIAO	ALEXANDER	Waterloo C.I.	Waterloo	11
LIU	ETHAN	University of Toronto Schools	Toronto	10
LIU	LEON	St. Robert C.H.S.	Thornhill	12
LONG	WALLACE	Lisgar C.I.	Ottawa	12
NGUYEN	QUANG	Bernice MacNaughton H.S.	Moncton	11
RAEISINAFCHI	POUYA	Earl Haig S.S.	North York	12
ROMANOV	DMYTRO	Marianopolis College	Westmount	12
SHENG	SONG	St. John's-Ravenscourt School	Winnipeg	12
SONG	HEYANG	Marianopolis College	Westmount	12
SRIVASTAVA	VEDAANT	Sir Robert Borden H.S.	Nepean	10
SUN	OLIVER	Sir Winston Churchill H.S.	Calgary	12
SUN	RICHARD	Newmarket H.S.	Newmarket	12
TIANMING	HAN	St. Malachy's H.S.	Saint John	12
TUONG	EDMOND	Old Scona Academic H.S.	Edmonton	12
VASERMAN	SEAN	Thornhill S.S.	Thornhill	11
WANG	BRIAN	University of Toronto Schools	Toronto	10
WANG	JERRY	University of Toronto Schools	Toronto	11
WANG	JIALONG	The Westside School	Vancouver	12
WANG	JIAYUE	Crestwood Prep. College	North York	12
WANG	YIBAI	Laureate International College	Toronto	12

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants

Group IV/Groupe IV

Scores/Notes 88 - 86

WONG	BENJAMIN	Oak Bay H.S.	Victoria	12
XIA	TANGLIN	Waterloo C.I.	Waterloo	12
YANG	DANIEL	University of Toronto Schools	Toronto	9
YANG	JAEHYEONG	Kelvin H.S.	Winnipeg	12
YANG	MICHAEL	Colonel By S.S.	Gloucester	11
YUE	MINGZHOU	Holy Trinity C.S.S.	Oakville	12
YUN	LIDE		White Rock	11
ZHANG	BAIQI	Charles P. Allen H.S.	Bedford	11
ZHANG	ERIC	Thornhill S.S.	Thornhill	9
ZHANG	ETHAN	Don Mills C.I.	North York	11
ZHAO	XUYANG	Bayview S.S.	Richmond Hill	12
ZHENG	CATHERINE	Marc Garneau C.I.	North York	11
ZHOU	RAYMOND	University of Toronto Schools	Toronto	12
ZHOU	SONG	Kuper Academy	Kirkland	10
ZOU	MIKE	Ancaster H.S.	Ancaster	10

Group V/Groupe V

Scores/Notes 85 - 83

AGGARWAL	ANISH	Vincent Massey S.S.	Windsor	11
AN	TONY	Marc Garneau C.I.	North York	12
ARIAZ	RUDY	Richmond Green S.S.	Richmond Hill	12
ARORA	SAT	Vincent Massey S.S.	Windsor	10
BAI	YUQI	Waterloo C.I.	Waterloo	12
CAI	JASON	Marc Garneau C.I.	North York	11
CAMERON HOWE	NOAH	Fredericton H.S.	Fredericton	12
CAO	JJARUI	Abbey Park H.S.	Oakville	9
CHEN	GEORGE	Marc Garneau C.I.	North York	11
CHEN	JERRY	Vincent Massey S.S.	Windsor	12
CHEN	LINUS	Marc Garneau C.I.	North York	11
CHEN	RYAN	Fleetwood Park S.S.	Surrey	11
CHEN	TING XI	Pierre Elliott Trudeau H.S.	Markham	12
CHEN	XIAOYANG	Middlefield C.I.	Markham	12
CHEN	ZHI YANG	Victoria Park C.I.	North York	11
CHEN	ZIDONG	White Oaks S.S.	Oakville	12
CHOI	YUNHA		Markham	11
COLLINGS	CHRISTOPHER	Bradford D.H.S.	Bradford	12
CUI	JIANGSHAN	Deran Academy	Richmond Hill	12
CUI	JIAYING	Waterloo C.I.	Waterloo	12
DAN	HANSEN	Fraser Heights S.S.	Surrey	11
DAN	WILLIAM	Fraser Heights S.S.	Surrey	9
DEL ROSARIO	ZAIRA	Semiahmoo S.S.	Surrey	12
DING	SHANE	White Oaks S.S.	Oakville	12
DU	MICHAEL	Richmond Hill H.S.	Richmond Hill	11
EDENS	OAKLEY	Sentinel S.S.	West Vancouver	10
FAN	KEVIN	Bell H.S.	Nepean	12
GORDON	ANNA	Oxford Regional Education Cent	Oxford	12
GUO	JINGYI	Victoria Park C.I.	North York	12
GUO	VICTOR	Marc Garneau C.I.	North York	12
HAN	ROY	Western Canada H.S.	Calgary	11
HAO	KAI QI	Pierre Elliott Trudeau H.S.	Markham	11
HE	YINING	A.Y. Jackson S.S.	North York	12
HE	ZHENMIN	Dover Bay S.S.	Nanaimo	12

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants

Group V/Groupe V		Scores/Notes 85 - 83		
HONG	KEVIN	Western Canada H.S.	Calgary	12
HOU	ANZHOU	Bloor C.I.	Toronto	12
HU	JUNTAO	Langstaff S.S.	Richmond Hill	11
HU	TIANHAO	Earl Haig S.S.	North York	12
HUANG	HEMING	Montreal Confucius School	Dollard des Ormeaux	9
ISLAM	FARDIN	Marc Garneau C.I.	North York	12
JIANG	BUYUN	St. John's-Ravenscourt School	Winnipeg	11
KANG	JOON	Pinetree S.S.	Coquitlam	11
KUMAR	ARNAV	Webber Academy	Calgary	9
LEE	EDWARD	William Lyon Mackenzie C.I.	North York	11
LI	AARON	Markville S.S.	Markham	12
LI	ANDY	Richmond Hill H.S.	Richmond Hill	11
LI	BAIZHEN	Dr. Charles Best S.S.	Coquitlam	12
LI	HAOHUA	Bishop Allen Academy	Etobicoke	12
LI	HAOYANG	Unionville H.S.	Markham	12
LI	KEJING	Prince of Wales S.S.	Vancouver	12
LI	KUNPENG	Prince of Wales S.S.	Vancouver	11
LI	LONGYU	Halifax Grammar School	Halifax	11
LI	RYAN	Marc Garneau C.I.	North York	11
LI	ZONGGAO	Lorne Park S.S.	Mississauga	12
LIANG	QIAN	John Diefenbaker H.S.	Calgary	12
LIN	RAYMOND	University of Toronto Schools	Toronto	12
LIU	ANDY WEI	John Fraser S.S.	Mississauga	11
LIU	ELIJAH	Bayview S.S.	Richmond Hill	10
LIU	EMILY	University of Toronto Schools	Toronto	9
LIU	KEVIN		Vancouver	9
LIU	KEVIN YUNQIAO	Upper Canada College (Upper Sc	Toronto	9
LIU	MINGYU	Don Mills C.I.	North York	12
LIU	RAYMOND	Richmond S.S.	Richmond	12
LIU	YINING	Brooklyn College	Toronto	12
LIU	ZI JIA	Moscrop S.S.	Burnaby	11
LO	ALSTON	Richmond Hill H.S.	Richmond Hill	12
LOUIE	BRADLEY	Burnaby Central S.S.	Burnaby	9
LOUIS	YE	Centennial C. and V.I.	Guelph	10
LUAN	ZHENSHU	St. George's School	Vancouver	11
MENG	SERENA	Marc Garneau C.I.	North York	11
MENG	YICHEN		Vancouver	12
MILIJEVIC	NIKOLA	Bell H.S.	Nepean	12
MU	JIONGAN	Amberson High School (North Ca	Markham	12
NASH	DAVID	William Lyon Mackenzie C.I.	North York	12
NI	DUNYANG	Waterloo C.I.	Waterloo	12
NI	YOU	Walnut Grove S.S.	Langley	12
NIU	ANDY	Trinity College School	Port Hope	11
QIN	SHI HAN	Richmond Hill H.S.	Richmond Hill	12
QUAN	KIERAN	Marc Garneau C.I.	North York	12
QUINTANA	ANGEL	Pere Rene de Galinee	Cambridge	12
REN	LINGQI	L'Amoreaux C.I.	Scarborough	12
ROSHANKAR	AMIR	Victoria Park C.I.	North York	12
SHEN	EDWARD	Marc Garneau C.I.	North York	11
SHENG	YINING	Richmond S.S.	Richmond	11
SINHA	GRANT	Sacred Heart C.H.S.	Newmarket	12
SITU	KAREN	University Hill S.S.	Vancouver	10

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants

Group V/Groupe V		Scores/Notes 85 - 83		
SONG	GUANYU	Earl of March S.S.	Kanata	12
SONG	STEVEN	Colonel Gray Sr. H.S	Charlottetown	12
STAADDECKER	MARTIN	Ont. Science Centre Science Sc	North York	12
SU	ZHIHAO	Crescent School	North York	12
SUN	HUDSON	Markville S.S.	Markham	12
VARAKUNAN	SARANYA	Marc Garneau C.I.	North York	11
WANG	ANDREW	Sir John A. Macdonald S.S.	Waterloo	11
WANG	CONSTANCE	Victoria Park C.I.	North York	12
WANG	ERICA	Cardinal Carter Academy	North York	12
WANG	ETHAN	John Fraser S.S.	Mississauga	11
WANG	JENNIFER	University of Toronto Schools	Toronto	10
WANG	JESSICA	John Fraser S.S.	Mississauga	12
WANG	KAIXIN		Vancouver	9
WANG	KEVIN		Calgary	10
WANG	MATTHEW	Pierre Elliott Trudeau H.S.	Markham	10
WANG	PATRICK	Colonel By S.S.	Gloucester	12
WANG	QINGHAO	St. Andrew's College	Aurora	10
WANG	QIZUO	Brooklyn College	Toronto	12
WANG	STEVEN	St. George's School	Vancouver	12
WANG	XINHAO	Fraser Heights S.S.	Surrey	11
WANG	ZIPENG	Horizons Secondary School	Trenton	12
WU	ANDREW	Marc Garneau C.I.	North York	10
WU	JIAYUE	William Lyon Mackenzie C.I.	North York	11
XIAO	HANCHEN	White Oaks S.S.	Oakville	11
XU	ALEX TIANYI	White Oaks S.S.	Oakville	11
XU	HANYU	Burnaby South S.S.	Burnaby	12
XU	LUJIA	Middlefield C.I.	Markham	11
XU	XIN		White Rock	11
XU	YUXIANG	Alexander Mackenzie H.S.	Richmond Hill	11
YAN	KEVIN	R.C. Palmer S.S.	Richmond	9
YANG	AMTTHEW		Markham	12
YANG	EDWARD	L'Amoreaux C.I.	Scarborough	12
YANG	JAMES	Iroquois Ridge H.S.	Oakville	9
YAO	BRIAN	Burnaby North S.S.	Burnaby	12
YAO	JIAYU	Branksome Hall	Toronto	11
YE	YIFAN	Pinetree S.S.	Coquitlam	10
YI	YUTONG	Unionville H.S.	Markham	12
YU	FELIX	Crescent School	North York	12
YUAN	AIJIA	St. Thomas Aquinas H.S.	Oakville	12
ZENG	EDWARD	University Transition Program	Vancouver	12
ZENG	YUTONG	Northview Heights S.S.	North York	12
ZHANG	ALROY	Bayview S.S.	Richmond Hill	12
ZHANG	BAICHENG	Deran Academy	Richmond Hill	12
ZHANG	DANNY	Colonel By S.S.	Gloucester	10
ZHANG	DING YUAN	Glenforest S.S.	Mississauga	11
ZHANG	EDWARD	Markham District H.S.	Markham	11
ZHANG	JIAHUI		White Rock	11
ZHANG	YONGXING	Kelowna Christian School	Kelowna	11
ZHAO	HARRY	Marc Garneau C.I.	North York	12
ZHAO	JINYANG	William Aberhart H.S.	Calgary	12
ZHAO	KEVIN	Colonel By S.S.	Gloucester	12
ZHOU	ERIC	Burnaby Mountain S.S.	Burnaby	11

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants

Group V/Groupe V

Scores/Notes 85 - 83

ZHU	HAONING	Walnut Grove S.S.	Langley	12
ZHU	KEVIN	John Fraser S.S.	Mississauga	12
ZUO	DAVID YAOFU	St. George's School	Vancouver	11



2019  
Euclid Contest/Concours Euclide  
Team Honour Roll/Palmarès d'équipes  
International

Rank/Rang	School/École	City/Ville	Score/Note
1	NFLS British Columbia Academy	Nanjing Jiangsu	293
2	Math Trainers Guild of Philippines	Zamboanga City	290
3	Shenzhen Senior H.S.	Shenzhen	281
4	ICAE	Troy	280
5	Chongqing Yucai Secondary School	Chongqing	278
6	UW - Beijing	Beijing	276
7	Anglo-Chinese Junior College	Singapore	274
7	Beijing 101 High School	Beijing	274
7	Hangzhou New Century Foreign Language Sc	Hangzhou	274
10	The Affiliated H.S. of Peking University	Beijing	272
11	Shanghai Pinghe School	Shanghai	271
12	Harbin Normal University High School	Harbin	270
13	H.S. Affiliated to Nanjing Normal Uni.	Nanjing Jiangsu	269
13	Shanghai World Foreign Language M.S.	Shanghai	269
15	Chengdu Foreign Languages School AP Cent	Chengdu	267
16	Qingdao Pennon Foreign Language School	Qingdao Shandong	265
16	Victoria Junior College	Singapore	265
18	Shanghai Nanyang Model Private H.S.	Shanghai	264
19	Chengdu Shude H.S.	Chengdu	263
20	Cambridge Int'l Ctr. of Shanghai Normal	Shanghai	262
20	Hangzhou Foreign Language School	Hangzhou Zhejiang	262
22	DPS International School	New Delhi	261
22	Insight Academy of Canada - Shanghai	Shanghai	261
22	Sega Math Academy	Cupertino	261
22	The H.S. Affiliated to Renmin Uni. of Ch	Beijing	261
26	Hebei International School-Shijiazhuang	Shijiazhuang	260
26	High Technology High School	Lincroft	260
26	Rosedale Academy Tianjin	Tianjin	260
26	Shanghai Starriver Bilingual School	Shanghai	260
26	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	260
26	Zhengzhou Foreign Language School	Zhengzhou	260
32	Benxi NO.1 Middle School	Benxi	259
32	Shanghai Dangdai Art School	Shanghai	259
32	Transitions Lab Prep School	Thiruvananthapuram	259
35	Jiangsu Tianyi H.S.	Wuxi Jiangsu	258
35	Rosedale Academy-Shenyang	Shenyang	258
35	Yinghua-Bond Int'l School	Tianjin	258
38	Beijing No.4 High School International C	Beijing	257
38	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	257
38	Chongqing Nankai S. S.	Chongqing	257
38	Rosedale Academy -GEDU Beijing	Beijing	257
38	The Affiliated H.S. of South China Norma	Guangzhou Guangdong	257
38	UWC Changshu China	Changshu	257
38	Wuxi Big Bridge Academy	Wuxi Jiangsu	257
45	Int'l Sch. Manila	Taguig City	256
45	Shanghai Guanghua College-Fudan Campus	Shanghai	256
45	Shanghai H.S. Int'l Division	Shanghai	256
45	Shenzhen M.S.	Shenzhen	256
45	Zhenhai H.S. Cambridge Int'l Center	Ningbo	256
50	Dalian Ealing Int'l College	Dalian	255
50	Guiyang No.1 H.S.	Guiyang Guizhou	255
50	Jinan Foreign Language School	Jinan	255
50	Jinling H.S.	Nanjing	255
50	Jinling-Hexi Campus	Nanjing	255

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants  
International

Name/Nom	School/École	Location/Endroit	Grade/Niveau
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Group I/Groupe I	Scores/Notes 100 - 99
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CHEUNG	IAN	Kenneth James Marks Jr.	Cranford	12
LI	HONGYUE	NFLS British Columbia Academy	Nanjing Jiangsu	11
SULAEMAN	EDGAR	Wardaya College	Jakarta Barat	10
WIDJAJA	STANVE	SIMETRI	Tangerang	10
ZHAO	FREDDIE	ICAE	Troy	12

Group II/Groupe II	Scores/Notes 98 - 95
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ANAND	UTKARSH	Delhi Public School Ranchi	Ranchi	12
BALETE	IMMANUEL	Math Trainers Guild of Philippines	Zamboanga City	10
CHEN	MUHUAN	Insight Academy of Canada - Shangha	Shanghai	12
CHEN	WANER	Shanghai Guanghua College - Pudong	Shanghai	11
FAEZ	ALI	Allame Tabatabai kargar branch	Tehran	12
HE	GUANGYI	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	12
HE	TIANSHU	NFLS British Columbia Academy	Nanjing Jiangsu	11
KE	XINWEI	Chongqing Yucai Secondary School	Chongqing	10
LIU	FANGHAN	NFLS British Columbia Academy	Nanjing Jiangsu	10
REYES	STEVEN	Math Trainers Guild of Philippines	Zamboanga City	10
RYU	WOOSEUK		Seoul	12
SANCHEZ	BRYCE AINSLEY	Math Trainers Guild of Philippines	Zamboanga City	10
SUN	YUCHE N	NFLS British Columbia Academy	Nanjing Jiangsu	10
XU	ZICHUAN	Shenzhen Senior H.S.	Shenzhen	11
ZHONG	CHIYANG	Shenzhen Senior H.S.	Shenzhen	11

Group III/Groupe III	Scores/Notes 94 - 91
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AHUJA	RISHIT MOHAN	Eicher School Parwanoo	Parwanoo	12
AI	QIUFU	Beijing 101 High School	Beijing	11
BAI	XINGJIAN	UW - Beijing	Beijing	11
BALACHANDRAN	ADITHYA	High Technology High School	Lincroft	10
BIAN	ZECHEN	Hebei International School-Shijiazh	Shijiazhuang	12
CHEN	XUANANG	Hangzhou New Century Foreign Langua	Hangzhou	11
CHEN	YUANG	NFLS British Columbia Academy	Nanjing Jiangsu	11
CHUA	EION NIKOLAI	Int'l Sch. Manila	Taguig City	10
DONG	SHIXIN	Rosedale Academy-Shenyang	Shenyang	12
GE	SHU	Victoria Junior College	Singapore	12
GUO	JIAXIAN	Beijing 101 High School	Beijing	11
HU	HAOTIAN	High School att'd to Northeast Norm	Changchun	11
HUANG	SHUQI	Hangzhou New Century Foreign Langua	Hangzhou	11
JIA RUI	ZHANG	Anglo-Chinese Junior College	Singapore	12
JIN	ZIQIAN	UW - Beijing	Beijing	11
LI	KEZHOU	The Affiliated H.S. of Peking Unive	Beijing	9
LI	MENGHAO	Insight Academy of Canada - Shangha	Shanghai	11
LI	TENGHAO	NFLS British Columbia Academy	Nanjing Jiangsu	11
LI	ZHENGFEI	Shanghai World Foreign Language M.S	Shanghai	10
LIN	ZHIYIN	Oregon Episcopal School	Portland	10
LIU	RUSSELL	Renaissance College HK	Man On Shan	12
LIU	ZHEXIAN	NFLS British Columbia Academy	Nanjing Jiangsu	10
LIU M	YILIN	NFLS British Columbia Academy	Nanjing Jiangsu	11

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants  
International

Group III/Groupe III

Scores/Notes 94 - 91

LU	TIANYI	The Affiliated H.S. of Peking Unive	Beijing	9
MA	ZEYU	NFLS British Columbia Academy	Nanjing Jiangsu	11
MATTHEW	CHRISTOPHER	Wardaya College	Jakarta Barat	12
OOI	ZHE REN	Sunway College-Canadian Int'l Mat.	Selangor Darul Ehsan	12
SUN	HAORAN	The H.S. Affiliated to Renmin Uni.	Beijing	11
TAN	KAIWEN	Shanghai Pinghe School	Shanghai	11
TANG	SHENGYU	Chengdu Foreign Languages School AP	Chengdu	11
TIAN	DANIEL	ICAE	Troy	10
TIBREWAL	PRATEEK	Welham Boys' School	Dehradun	12
TJANDRA	ALFIAN	SIMETRI	Tangerang	12
TONG	JINGFEI	Hangzhou New Century Foreign Langua	Hangzhou	11
TY	SEAN ANDERSON	Math Trainers Guild of Philippines	Zamboanga City	12
WANG	CHENGLU	UW - Beijing	Beijing	11
WANG	YUZHOU	BIT School of Computer Science	Beijing	11
XU	CHAO	Harbin Normal University High Schoo	Harbin	11
XU	KANG	Beijing 101 High School	Beijing	11
YANG	DUXING	NFLS British Columbia Academy	Nanjing Jiangsu	11
YANG	LIJIE	Chongqing Yucai Secondary School	Chongqing	10
YU	SAMUEL	Shanghai American School (West Camp	Shanghai	11
ZENG	CHAOYING	Camford Int'l Dept. of Yangjiang E-	Yangjiang Guangdong	11
ZHU	DAVIDSON	Beijing National Day School	Beijing	10
ZHU	YUERONG	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	11
ZHUOLIN	WU	Anglo-Chinese Junior College	Singapore	12

Group IV/Groupe IV

Scores/Notes 90 - 89

CHEN	ZHUO	Sendelta International Academy	ShenZhen	11
CHENG	JUNTAO	Chengdu Foreign Languages School AP	Chengdu	11
CHU	ZHONG	Harbin Normal University High Schoo	Harbin	11
COOPER	TRISTAN	Proof School	San Francisco	12
DING	JUNKAI	Cambridge Int'l Ctr. of Shanghai No	Shanghai	11
DING	YUANG	NFLS British Columbia Academy	Nanjing Jiangsu	10
DING	ZHOUIE	Hangzhou New Century Foreign Langua	Hangzhou	12
FAN	WENJIE	Qingdao Pennon Foreign Language Sch	Qingdao Shandong	11
GU	XIAOYU	Shanghai Pinghe School	Shanghai	10
JIANG	ZELONG	Beijing 101 High School	Beijing	11
LAI	YIYU	Chongqing Yucai Secondary School	Chongqing	10
LANG	XIAOAN	The Affiliated H.S. of Peking Unive	Beijing	12
LE	MINHSON	HUNE H.S. for Gifted Students	Hanoi	12
LI	JIANRUI	Beijing National Day School	Beijing	11
LI	JONATHAN	Texas Academy of Math & Science	Denton	11
LI	RUIJIA	NFLS British Columbia Academy	Nanjing Jiangsu	11
LI	SIXUE	The Affiliated H.S. of Peking Unive	Beijing	9
LI	YUXIAO	The Affiliated H.S. of Peking Unive	Beijing	9
LIANG	JIACHENG	Beijing No.4 High School Internatio	Beijing	11
LIM	JERRELL	Victoria Junior College	Singapore	11
LIN	QIAN	Beijing 101 High School	Beijing	11
LIU	CHANG	Hangzhou New Century Foreign Langua	Hangzhou	11
LIU	ZHIYI	The Affiliated H.S. of Peking Unive	Beijing	10
LIU	ZIHAN	NFLS British Columbia Academy	Nanjing Jiangsu	10
LOH YAN XUN	TIMOTHY	Hwa Chong Institution	Singapore	11
LUO	YICHUAN	NFLS British Columbia Academy	Nanjing Jiangsu	11

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants  
International

**Group IV/Groupe IV**

**Scores/Notes 90 - 89**

LV	HAOYI	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	10
LYU	HE	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
MAO	DAYOU	Rosedale Academy -GEDU Beijing	Beijing	12
NARAYANASAMY	BHARAT	Sega Math Academy	Cupertino	11
PAN	TIANYI	Beijing National Day School	Beijing	10
QI	QI	Beijing National Day School	Beijing	10
QIU	MAIDONG	Chongqing Yucai Secondary School	Chongqing	10
SHI	CHENXI	Chongqing Yucai Secondary School	Chongqing	10
SINGH	SANIDHYA	Delhi Public School Ranchi	Ranchi	12
SU	YUNUO	Tianjin Foreign Languages School Af	Tianjin	10
SU	ZIWEI	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
TANG	YIYI	Shenzhen Senior H.S.	Shenzhen	11
TENG	YI	Beijing 101 High School	Beijing	11
TY	STEPHEN JAMES	Math Trainers Guild of Philippines	Zamboanga City	10
WANG	ISSAM	Math Trainers Guild of Philippines	Zamboanga City	10
WANG	QIAN	Harbin Normal University High Schoo	Harbin	11
WANG	XINYU	Chengdu Shude H.S.	Chengdu	13
XIA	MINGYUAN	Shanghai Pinghe School	Shanghai	11
XIA	WENZE	NFLS British Columbia Academy	Nanjing Jiangsu	11
XIONG	KEYI	NFLS British Columbia Academy	Nanjing Jiangsu	10
XU	MINGTONG	Ruthin School	Ruthin	12
YU	RUIQI	Wuxi No1 H.S	Wuxi Jiangsu	12
YU	YIFAN	Shanghai World Foreign Language M.S	Shanghai	11
ZHANG	CHENG	Hangzhou New Century Foreign Langua	Hangzhou	10
ZHANG	FENGZHE	Qingdao Pennon Foreign Language Sch	Qingdao Shandong	12
ZHANG	YIRU	Beijing National Day School	Beijing	10
ZHAO	HAOYU	Chengdu Shude H.S.	Chengdu	12
ZHENG	ZEWEN	Shanghai Nanyang Model Private H.S.	Shanghai	12
ZHENG	ZIYANG	UW - Beijing	Beijing	11
ZHONG	XIN	NFLS British Columbia Academy	Nanjing Jiangsu	10
ZHOU	JIANHAO	Rosedale Academy - Nanjing GEDU Sch	Nanjing	11
ZHOU	YUJIE	Rosedale Academy - Nanjing GEDU Sch	Nanjing	11
ZHU	MINYANG	NFLS British Columbia Academy	Nanjing Jiangsu	10

**Group V/Groupe V**

**Scores/Notes 88 - 87**

ANUGRAHA	DAVID	Wardaya College	Jakarta Barat	12
BHANUSHALI	DHEER	Transitions Lab Prep School	Thiruvananthapuram	11
CHEN	JIAQI	NFLS British Columbia Academy	Nanjing Jiangsu	11
CHEN	JITIAN	NFLS British Columbia Academy	Nanjing Jiangsu	10
CHEN	SIJIA	Wuxi Big Bridge Academy	Wuxi Jiangsu	10
CHEN	WEIZHE	NFLS British Columbia Academy	Nanjing Jiangsu	11
CHEN	XIANGYI	Hangzhou Foreign Language School	Hangzhou Zhejiang	11
CHEN	YITING	Experimental S. affiliated with Zhu	Zhuhai	11
CHEN	YUSHU	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
CHENG	YIXIAN	NFLS British Columbia Academy	Nanjing Jiangsu	11
CHU XUAN	BACH	Canadian Int'l School - Vietnam	Ho Chi Minh City	12
DANGI	AARYAN	Segue Global Prep School	Mumbai	10
DENG	JIAYING	Hangzhou Foreign Language School	Hangzhou Zhejiang	11
DENG	JINGWEN	Guangzhou Foreign Language School	Guangzhou	11
FAN	QINGYUAN	NFLS British Columbia Academy	Nanjing Jiangsu	10
FAN	WEI LI	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	11

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants  
International

Group V/Groupe V		Scores/Notes 88 - 87		
FAN	XINYI	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
FAN	XINYUE	UW - Beijing	Beijing	13
FANG	HAODONG	Zhenhai H.S. Cambridge Int'l Center	Ningbo	12
FANG	ZIZHENG	Hangzhou New Century Foreign Langua	Hangzhou	9
GANESH	AADITYAN	CPS Group of Schools	Chennai Tamilnadu	12
GANGULY	ISHAN	DPS International School	New Delhi	11
GAO	WEICHENG	NFLS British Columbia Academy	Nanjing Jiangsu	10
GAO	YUXUAN	Beijing No.4 High School Internatio	Beijing	11
GU	YIFAN	Shanghai Pinghe School	Shanghai	11
GUPTA	SAMBHAV	ICAE	Troy	9
HANRUI	LIU	Anglo-Chinese Junior College	Singapore	11
HU	JINCHENG	Shanghai Dangdai Art School	Shanghai	11
HU	ZIHAN	NFLS British Columbia Academy	Nanjing Jiangsu	11
HUANG	DAQI	Beijing 101 High School	Beijing	11
HUANG	YUXIAO	UW - Beijing	Beijing	12
JIA	QIANYUN	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
JIANG	WANTING	Nanjing Yuhuatai Senior School	Nanjing	10
JIN	ZIXIAO	Hangzhou Foreign Language School	Hangzhou Zhejiang	11
KAIYUN	SUN	Benxi NO.1 Middle School	Benxi	10
KAVRUT	NECEF ALP	Robert College	Istanbul Arnavutkoy	11
KIM	YE GON	Shanghai American School (West Camp	Shanghai	12
KRISTIAN	HANS	Wardaya College	Jakarta Barat	12
LI	AOYANG	NFLS British Columbia Academy	Nanjing Jiangsu	10
LI	BOWEN	Shenzhen Senior H.S.	Shenzhen	11
LI	MUYANG	Shanghai World Foreign Language M.S	Shanghai	10
LI	NIANHAO	Meicun Senior High School	Wuxi	11
LI	ZONGJIAN	Beijing 101 High School	Beijing	11
LI	ZONGZE	Shenzhen M.S.	Shenzhen	12
LIANG	NINGYUE	NFLS British Columbia Academy	Nanjing Jiangsu	11
LIAO	YUXUAN	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	11
LIU	SHENGHUA	Rockford Christian High School	Rockford	12
LIU	YUMENG	Beijing National Day School	Beijing	10
LU	HEZHONG	Yinghua-Bond Int'l School	Tianjin	11
LU	ZIJIE	The H.S. Affiliated to Beijing Norm	Beijing	12
LUO	RUIDI	Zhengzhou Foreign Language School	Zhengzhou	10
MAN	NICHOLAS	Canadian Int'l School of Hong Kong	Aberdeen	12
MARWAH	DEVESH	Transitions Lab Prep School	Thiruvananthapuram	12
MING	JIAHAO	NFLS British Columbia Academy	Nanjing Jiangsu	11
PAN	YANG	Zhenhai H.S. Cambridge Int'l Center	Ningbo	12
PENG	TIANZHEN	Hangzhou New Century Foreign Langua	Hangzhou	9
QIN	YIZHENG	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
QINGRUI	XIE	Benxi NO.1 Middle School	Benxi	11
SARKAR	WRITIKA	Delhi Public School	Gurgaon	12
SHEN	HANSHEN	Shanghai World Foreign Language M.S	Shanghai	11
TANG	AN	Shanghai Starriver Bilingual School	Shanghai	12
TRIPATHI	ASHUTOSH	DPS International School	New Delhi	11
WANG	GEORGE YUAN	The Affiliated H.S. of Peking Unive	Beijing	9
WANG	HAOHUA	Beijing 101 High School	Beijing	11
WANG	SHUYI	NFLS British Columbia Academy	Nanjing Jiangsu	10
WANG	SHUYUAN	UWC Changshu China	Changshu	11
WANG	XINYUAN	Zhengzhou Foreign Language School	Zhengzhou	10
WANG	YINONG	NFLS British Columbia Academy	Nanjing Jiangsu	10

2019  
Euclid Contest/Concours Euclide  
Student Honour Roll/Palmarès d'étudiants  
International

Group V/Groupe V		Scores/Notes 88 - 87		
WANG	YUTIAN	Zhangjiagang Ivy Experimental H.S.	Zhangjiagang	12
WANG	ZEKUN	Beijing National Day School	Beijing	12
WANG	ZHIQI	UW - Beijing	Beijing	11
WANG	ZIXU	UWC Changshu China	Changshu	11
WANG	ZIXUAN	Shanghai Nanyang Model Private H.S.	Shanghai	12
WEI	JIACHEN	Shanghai World Foreign Language M.S	Shanghai	10
WEI	JINBIAO	Suzhou Foreign Language School	Suzhou	10
WU	HANZHE	Fuzhou NO.3 High School	Fuzhou	11
XIAO	KEYANG	UW - Beijing	Beijing	12
XIJIA	SU	Anglo-Chinese Junior College	Singapore	11
XING	YUN	Shanghai Nanyang Model Private H.S.	Shanghai	11
XIONG	YIBIN	Rosedale Academy Tianjin	Tianjin	12
XU	BOWEN	Cambridge Int'l Ctr. of Shanghai No	Shanghai	12
XU	KAI	Jiangsu Tianyi H.S.	Wuxi Jiangsu	11
XU	SHENGQING	NFLS British Columbia Academy	Nanjing Jiangsu	12
XU	WANLI	NFLS British Columbia Academy	Nanjing Jiangsu	10
XUAN	HONGYI	Shanghai Pinghe School	Shanghai	11
XUE	MUQING	Yinghua-Bond Int'l School	Tianjin	13
YANG	CHENYI	Shanghai Starriver Bilingual School	Shanghai	10
YE	BAIKUAN	Chongqing Nankai S. S.	Chongqing	11
YUAN	XIU	NFLS British Columbia Academy	Nanjing Jiangsu	10
YUXUAN	ZHANG	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
ZHANG	SHIBO	Rosedale Academy Tianjin	Tianjin	9
ZHANG	TONGRUI	Harbin Normal University High Schoo	Harbin	11
ZHANG	WENHAN	UW - Beijing	Beijing	11
ZHAO	ZIYI	Nanchangshi Xinyuan Zhongxue	Nanchang	11
ZHONG	HAOYU	Chongqing Yucai Secondary School	Chongqing	10
ZHOU	CHIYU	Shanghai Pinghe School	Shanghai	11
ZHOU	XIAOYUE	NFLS British Columbia Academy	Nanjing Jiangsu	11
ZHOU	ZHILIN	Lenawee Christian School	Adrian	12
ZHOU	ZIJIE	Mudu Senior High School	Suzhou	12
ZHOU	ZIXUAN	St. Mary's Wuhan No.2 High School	Wuhan	11
ZHU	XICHEN	Jinling H.S.	Nanjing	11
ZHU	ZHAOCHEN	NFLS British Columbia Academy	Nanjing Jiangsu	11

UNOFFICIAL STUDENTS AT SCHOOLS IN CANADA /  
ÉLÈVES NON-OFFICIEL DANS LES ÉCOLES AU CANADA

SCORES / NOTES 100 - 80

Name/Nom		School/École	Location/Endroit
AI	SIYI	Lester Pearson College	Victoria, BC
CAO	SHUYANG	Middlefield C.I.	Markham, ON
CAVCAR	ZEYNEPNUR	Sussex Reg. H.S.	Sussex, NB
CHANG	KIRIM	Yorkdale Adult Learning Centre	North York, ON
CHENG	RUOTONG	Westfield Secondary School	Thornhill, ON
CHEN	PATRICK	Clarkson S.S.	Mississauga, ON
CHEN	XUHAO	Clarkson S.S.	Mississauga, ON
CHEN	YUHAO	Rosseau Lake College	Rosseau, ON
DAI	ELAINE	Applewood Heights S.S.	Mississauga, ON
DAI	SHENG	One Direction Academy	Toronto, ON
DU	PENG	McCanny Secondary School	Scarborough, ON
DU	QIANHUI	Westfield Secondary School	Thornhill, ON
FENG	ZIJIAN	SuOn International Academy	Toronto, ON
HU	QIANFEI	Appleby College	Oakville, ON
JIANG	JUNYANG	Lester Pearson College	Victoria, BC
LIAO	DISEN	Campbell C.I.	Regina, SK
LI	GUOQIAN	Columbia Int'l College	Hamilton, ON
LI	LILY	Holy Name of Mary Col. Sch.	Mississauga, ON
LI	MENGSHU	Georges Vanier S.S.	North York, ON
LIN	JIALI	Taie Int'l Institute	Toronto, ON
LIN	LYDIA	Bayview S.S.	Richmond Hill, ON
LI	SIRAN	Columbia Int'l College	Hamilton, ON
LIU	MEILING	Elite Academic School	Toronto, ON
MACKENZIE	ANDREW	Ken Bradley	Quyon, QC
MARCOS LOSADA	MARIO	Okanagan Mission S.S.	Kelowna, BC
MIAO	XINGYU	Cambridge Int'l Academy	Ajax, ON
NAN	TIANYU	Wales College	Scarborough, ON
PANG	ZHEKAI	London Int'l Academy	London, ON
PAYDARI ALAMDARI	ARIA	Thornhill S.S.	Thornhill, ON
SHE	YUYANG	Wales College	Scarborough, ON
TSE	KWUN LOK	St. Robert C.H.S.	Thornhill, ON
WANG	AURORA	Loretto Abbey C.S.S.	North York, ON
WANG	HONGWEI		Vancouver, BC
WANG	YIPING	London Int'l Academy	London, ON
WANG	YUNTIAN	SuOn International Academy	Toronto, ON
WARIKOO	AYUSH	Iroquois Ridge H.S.	Oakville, ON
WU	NAI	One Direction Academy	Toronto, ON
XING	ENZE	SuOn International Academy	Toronto, ON
XUE	QILIN	John Fraser S.S.	Mississauga, ON
XU	MINQI	Columbia Int'l College	Hamilton, ON
XU	RICHARD	Colonel By S.S.	Gloucester, ON
YAMAZAKI	YUDAI	Thomas Haney S.S.	Maple Ridge, BC
YANG	JIABAO	Dr. Norman Bethune C.I.	Scarborough, ON
YANG	JOHN	John Fraser S.S.	Mississauga, ON
YANG	MINGGUANG	SuOn International Academy	Toronto, ON
YE	MIAOMIAO	Abbey Park H.S.	Oakville, ON
YING	JIALIN	Royal Crown Academic School	Scarborough, ON
YU	TAOMING	McCanny Secondary School	Scarborough, ON
ZHAN	BOAO	Clarkson S.S.	Mississauga, ON
ZHANG	GINA	SuOn International Academy	Toronto, ON

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<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
ZHANG	SHUQI	Pope John Paul II S.S.	Scarborough, ON
ZHAO	KANGYU	SuOn International Academy	Toronto, ON
ZHAO	YUFEI	London Int'l Academy	London, ON
ZHOU	XINGJIAN	London Int'l Academy	London, ON
ZHU	SHIAO	SuOn International Academy	Toronto, ON
ZU	KEER	Taie Int'l Institute	Toronto, ON