

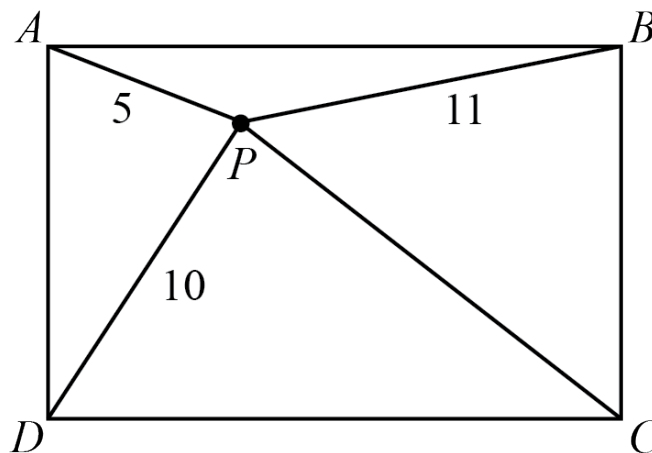


Problem of the Week

Problem D

Where is Pete?

Amir, Bitu, Colin, and Delilah are standing on the four corners of a rectangular field, with Amir and Colin at opposite corners. Pete is standing inside the field 5 m from Amir, 11 m from Bitu, and 10 m from Delilah. In the diagram, the locations of Amir, Bitu, Colin, Delilah, and Pete are marked with A , B , C , D , and P , respectively.



Determine the distance from Pete to Colin.

HINT: Consider drawing a line segment through P , perpendicular to two of the sides of the rectangle, and then using the Pythagorean Theorem.

