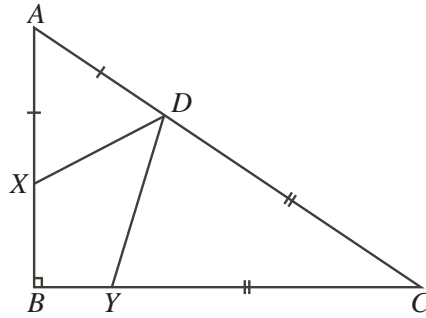




## Problem of the Week Grade 9 and 10

### A Matter of Degrees



In right  $\triangle ABC$ ,  $X$  is on  $AB$ ,  $Y$  is on  $BC$  and  $D$  is on  $AC$  such that  $AX = AD$  and  $CY = CD$ .

Determine the measure of  $\angle XDY$ .

