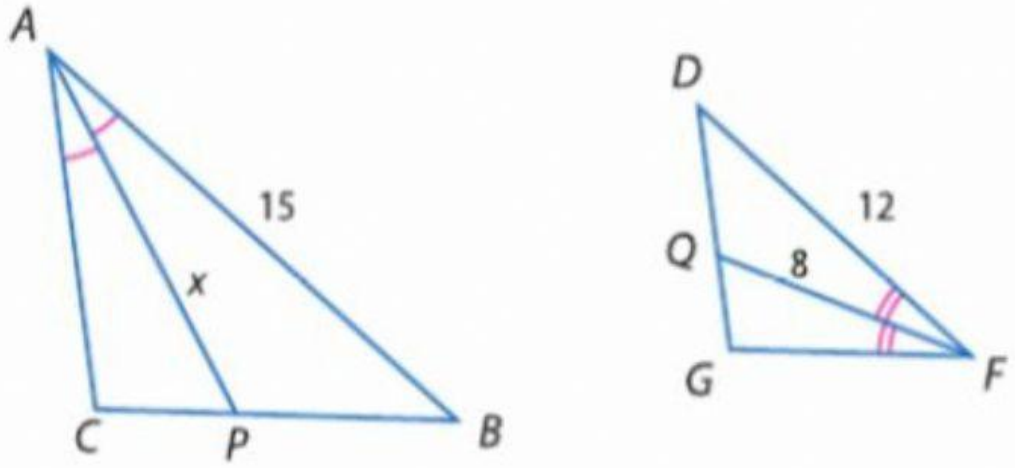
In the figure, $\triangle ABC \sim \triangle FDG$. Find the value of x.



$$\frac{AP}{FQ} = \frac{AB}{FD}$$

$$\frac{\quad}{8} = \frac{\quad}{12}$$

$$8 \cdot \quad = \quad \cdot 12$$

$$= 12x$$

$$= x$$

LIVEWORKSHEETS