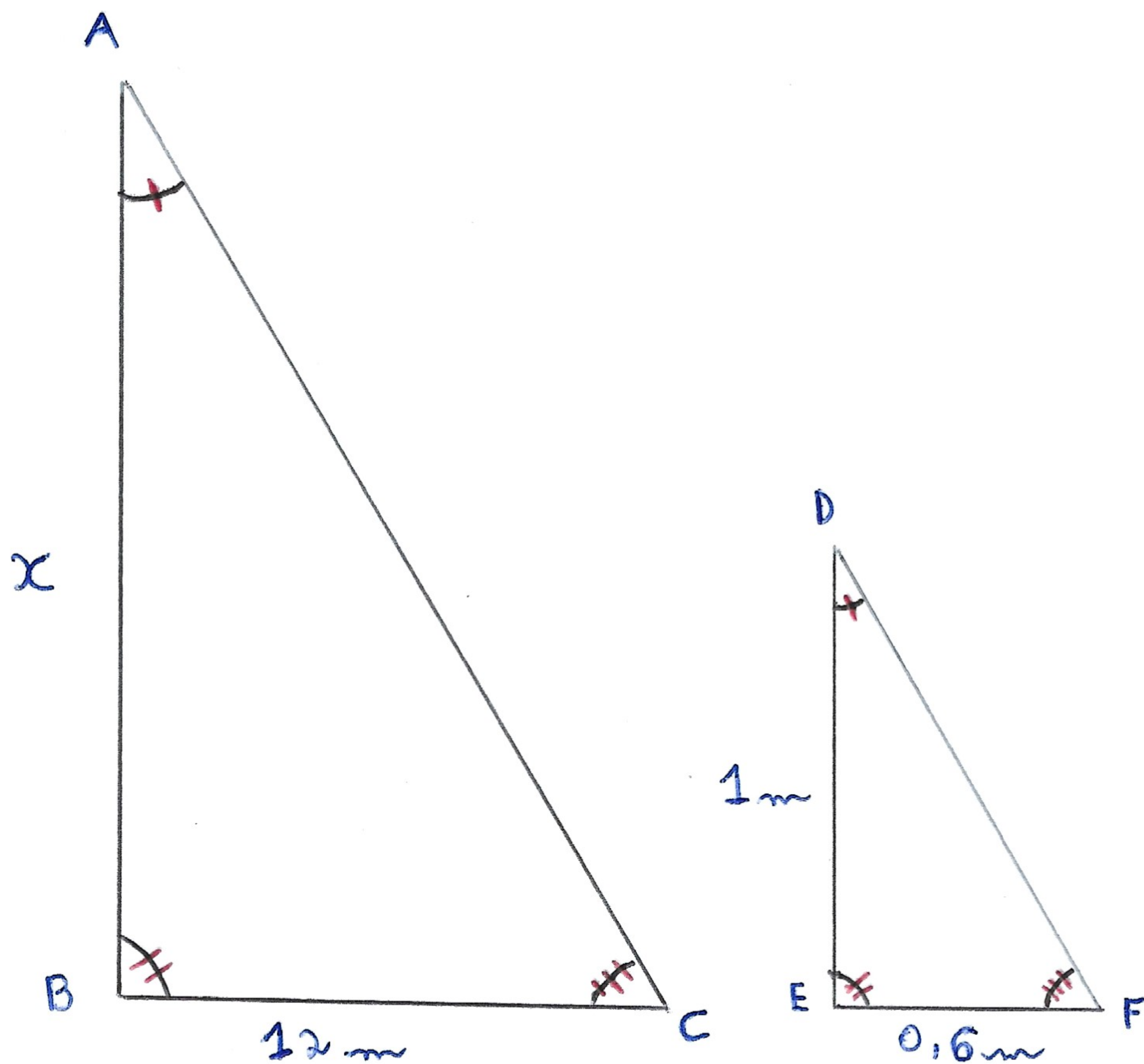


①



Dado que as sombras projetadas pelo sol, dos objetos em vertical, formam ângulos congruentes, temos que  $\triangle ABC \sim \triangle DEF$ , e portanto:

$$\frac{x}{12m} = \frac{1m}{0,6m}$$

$$0,6x = 12m$$

$$x = \frac{12m}{0,6}$$

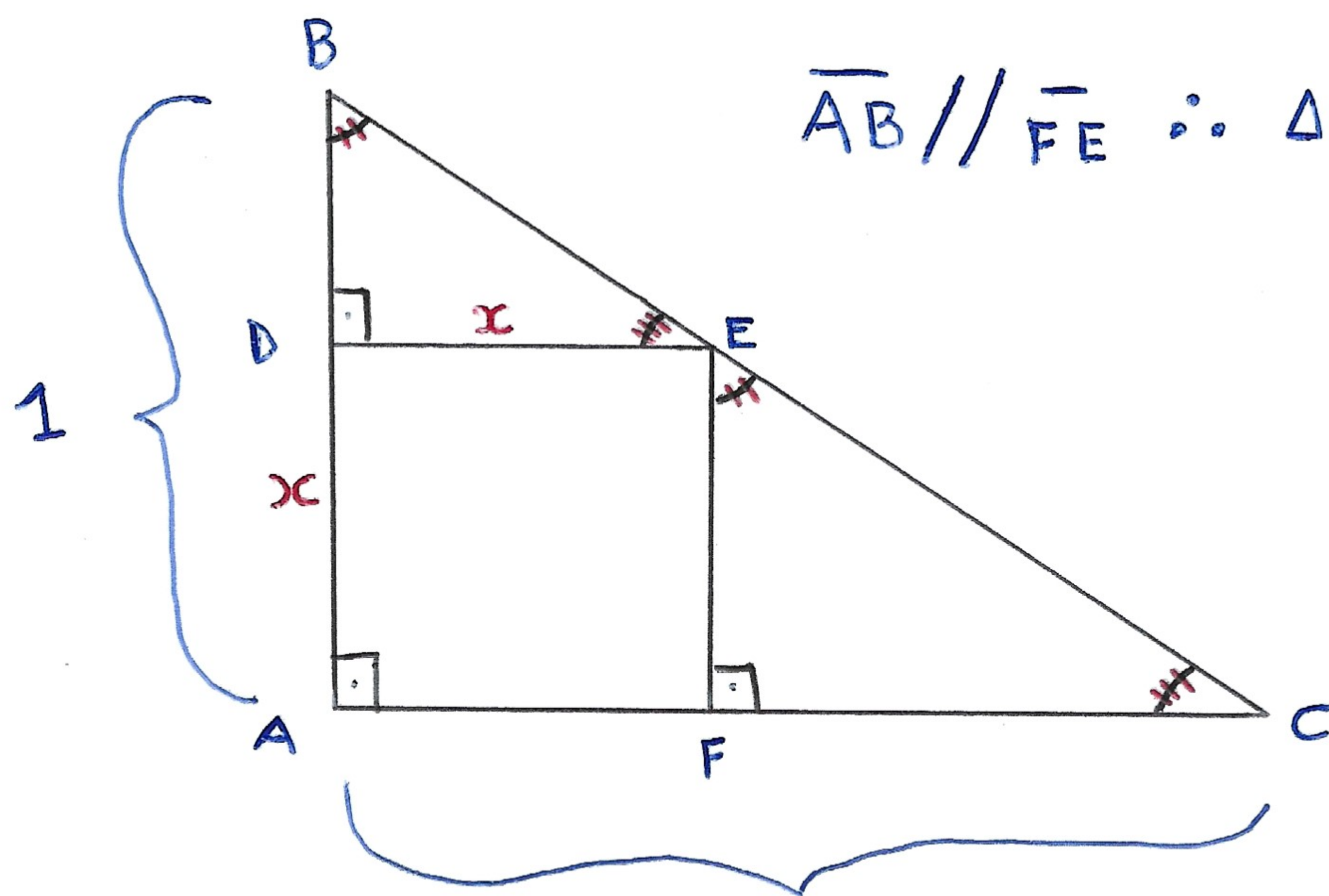
$$x = 20m$$

R: D) 20m

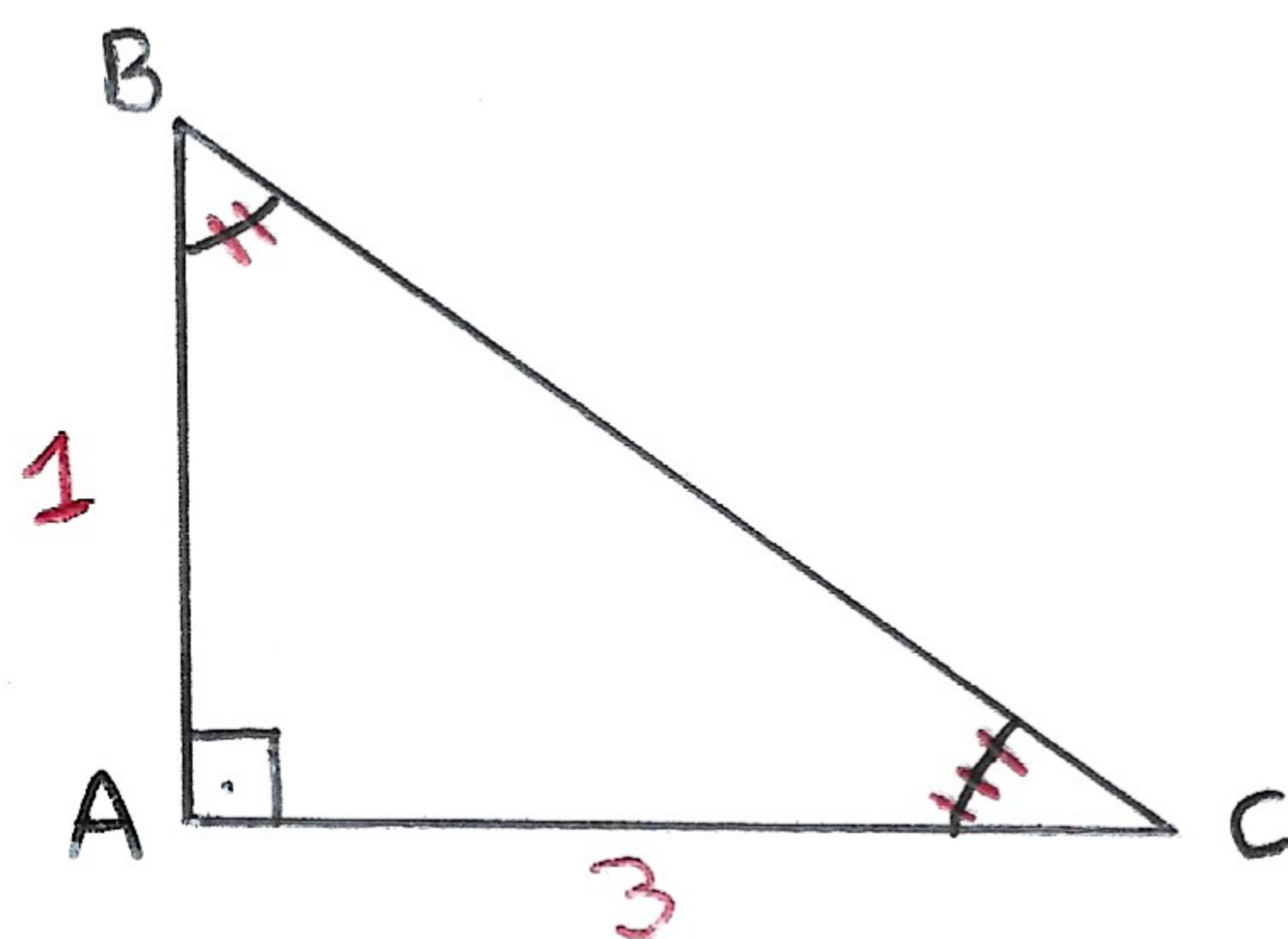
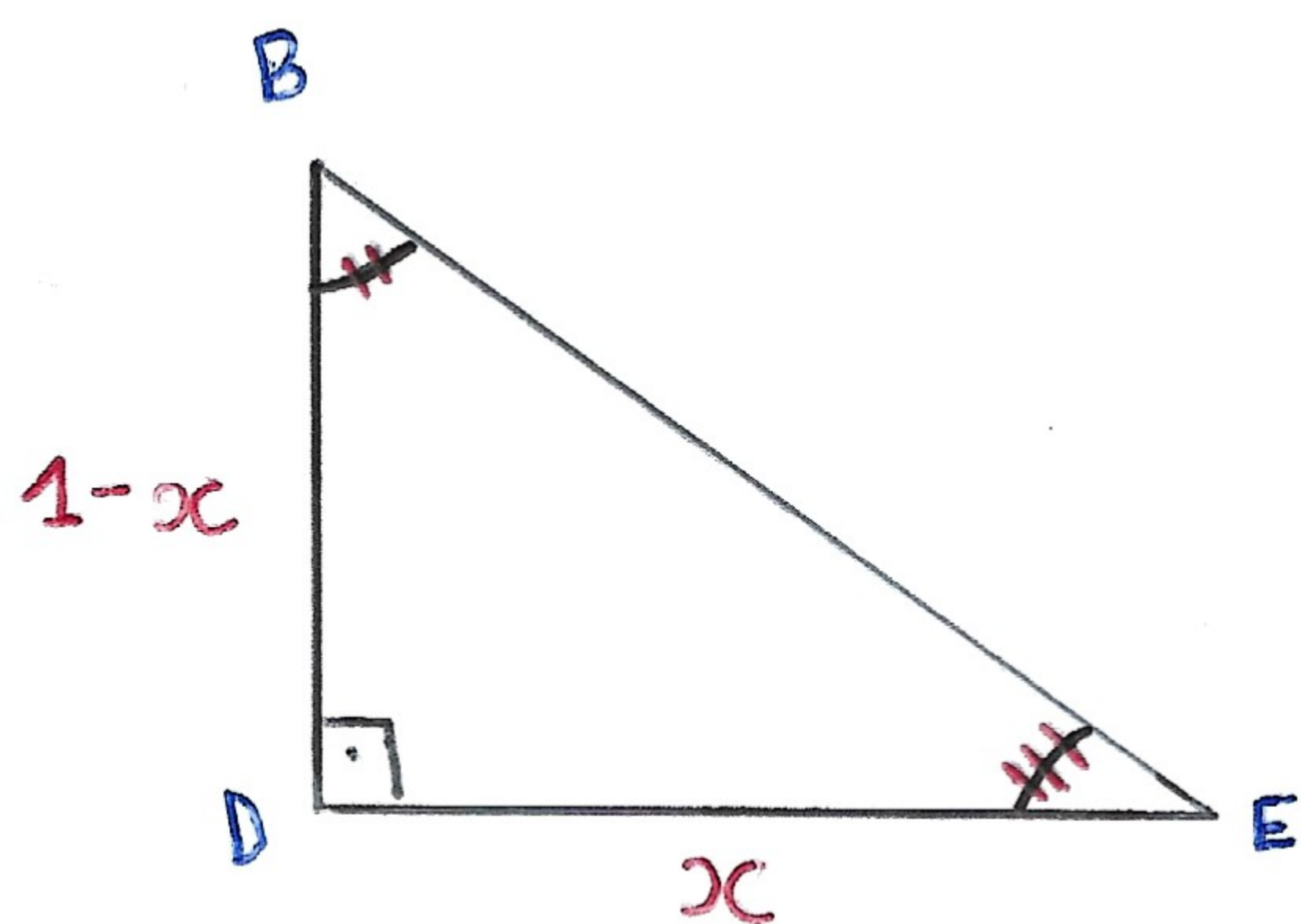
$$12 \overline{) 0,6} \rightarrow \begin{array}{r} 120 \overline{) 06} \\ \underline{12} \\ 00 \\ \underline{00} \\ 0 \end{array}$$



②



$$\overline{AB} \parallel \overline{FE} \therefore \triangle ABC \sim \triangle BDE$$



$$\frac{1}{3} \neq \frac{1-x}{x}$$

$$x = 3 \cdot (1-x)$$

$$x = 3 - 3x$$

$$x + 3x = 3$$

$$4x = 3$$

$$x = \frac{3}{4}$$

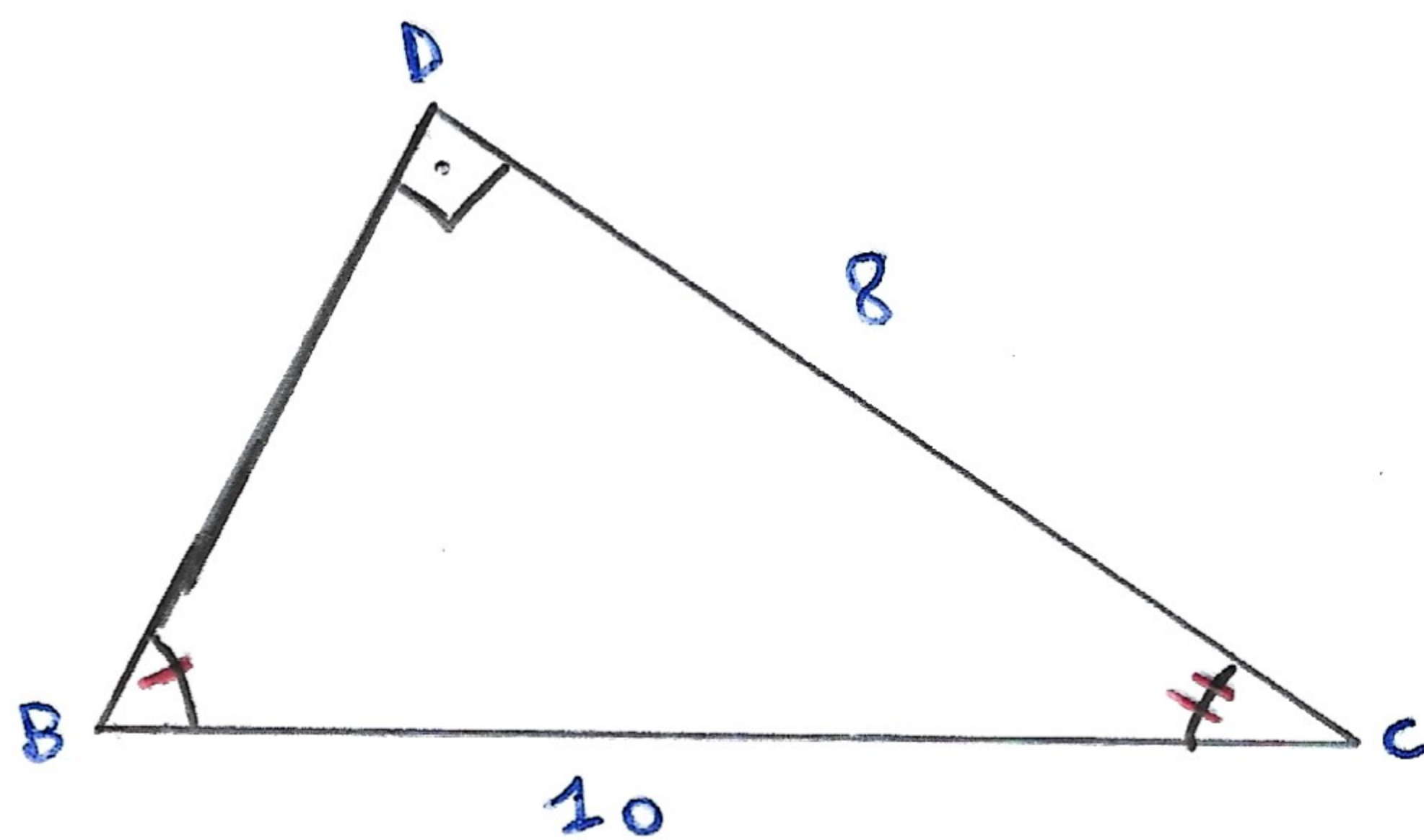
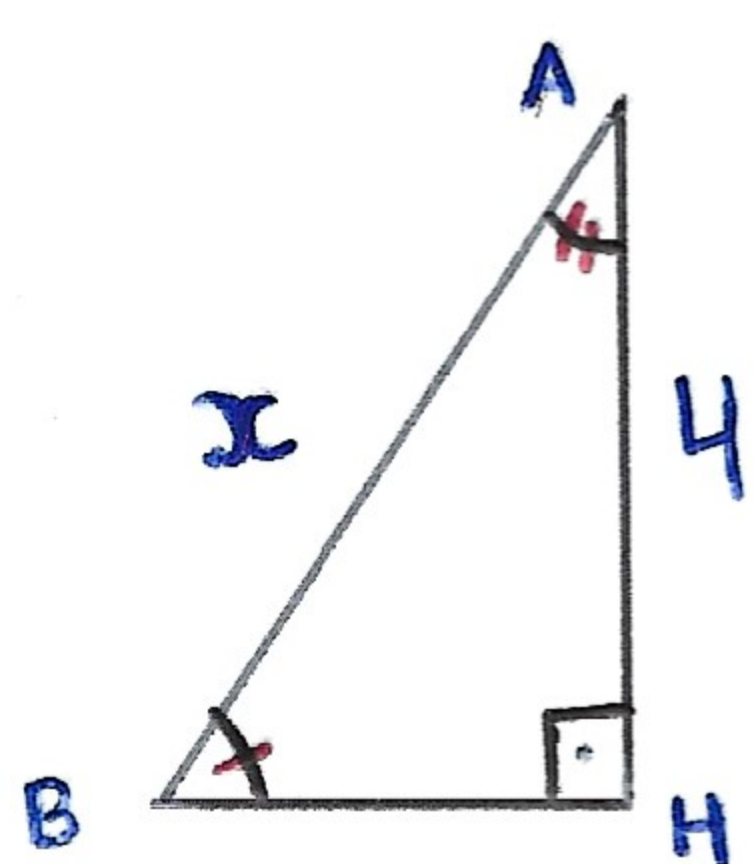
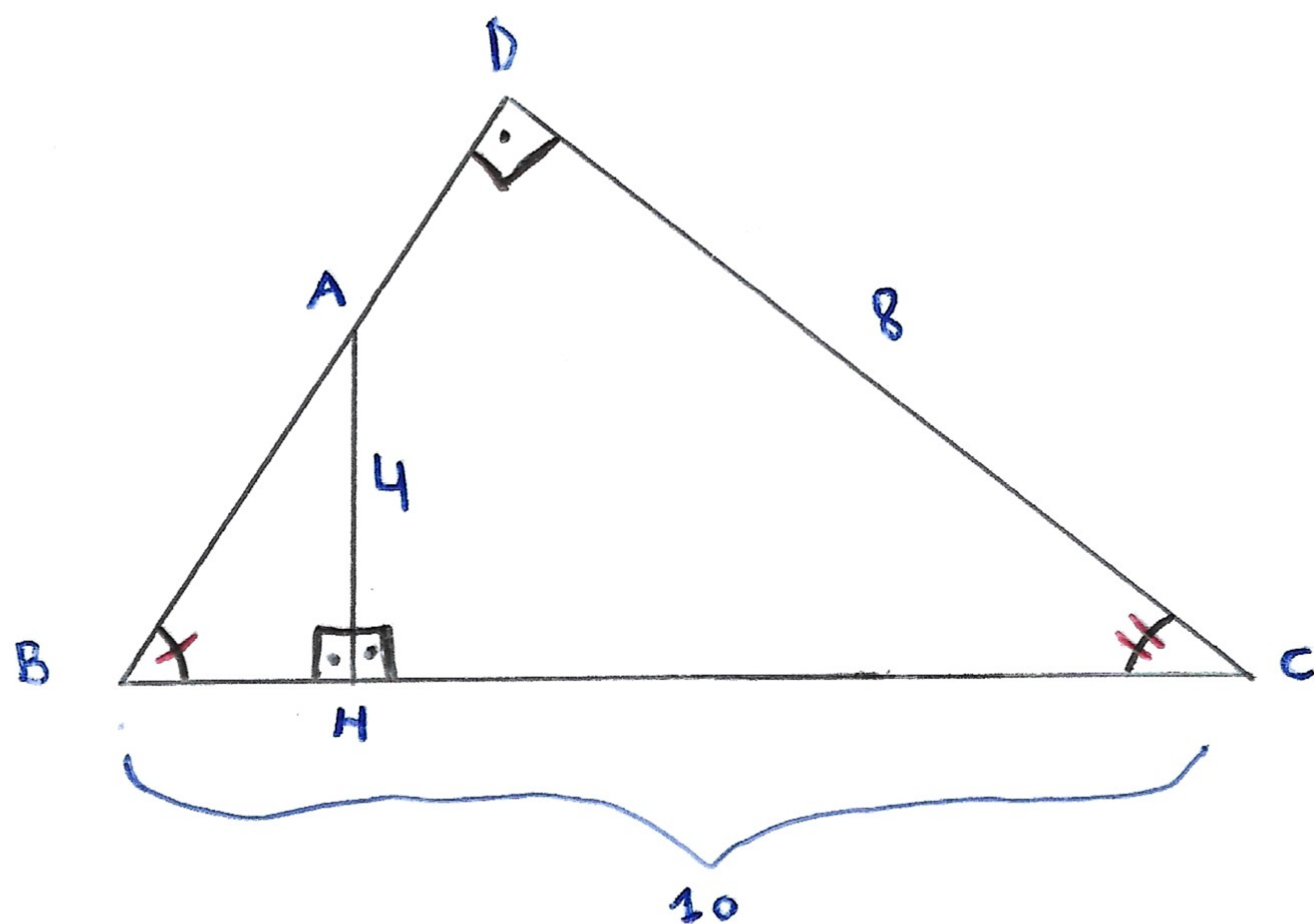
$$x = 0,75$$

$$R: B) 0,75$$

$$3 \overline{) 4} \rightarrow \begin{array}{r} 30 \overline{) 4} \\ -28 \\ \hline 020 \\ 0 \\ \hline 4 \end{array}$$



③



$$\triangle BAH \sim \triangle BDC \quad \therefore \quad \frac{10}{8} = \frac{x}{4}$$

$$\frac{10}{8} \neq \frac{x}{4}$$

$$8x = 40$$

$$x = \frac{40}{8}$$

$$x = 5$$

$$\boxed{R: 5}$$