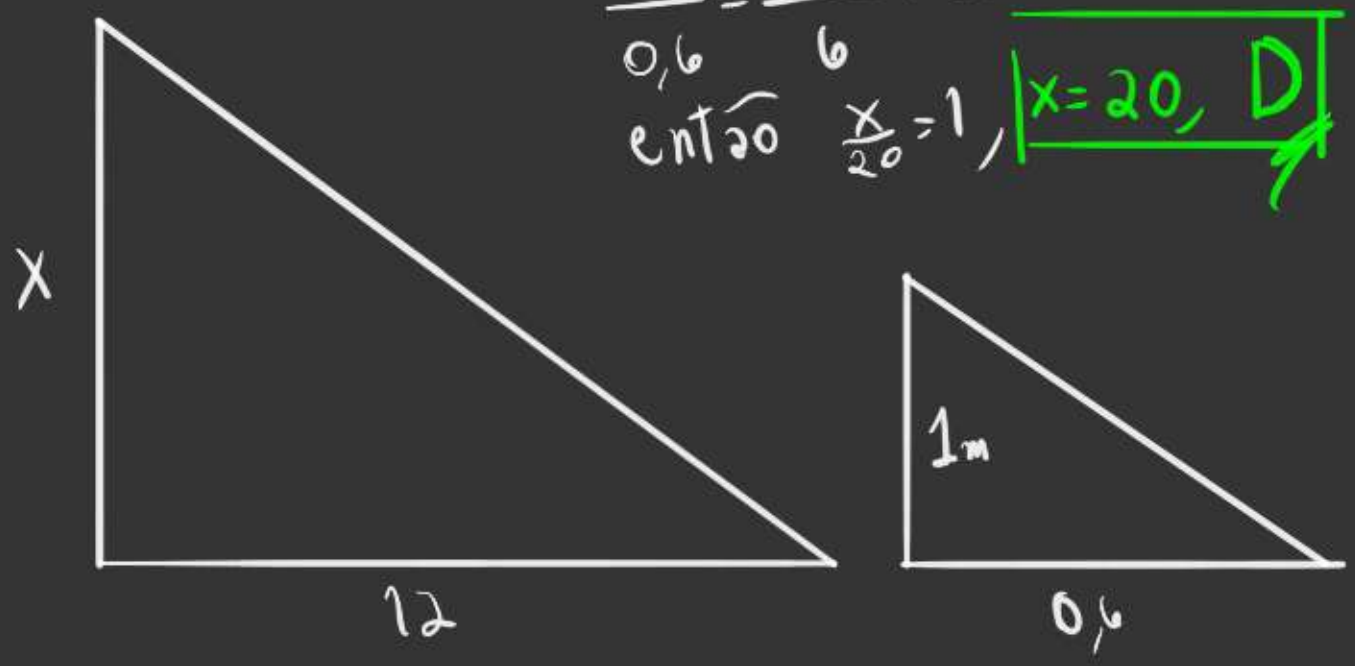
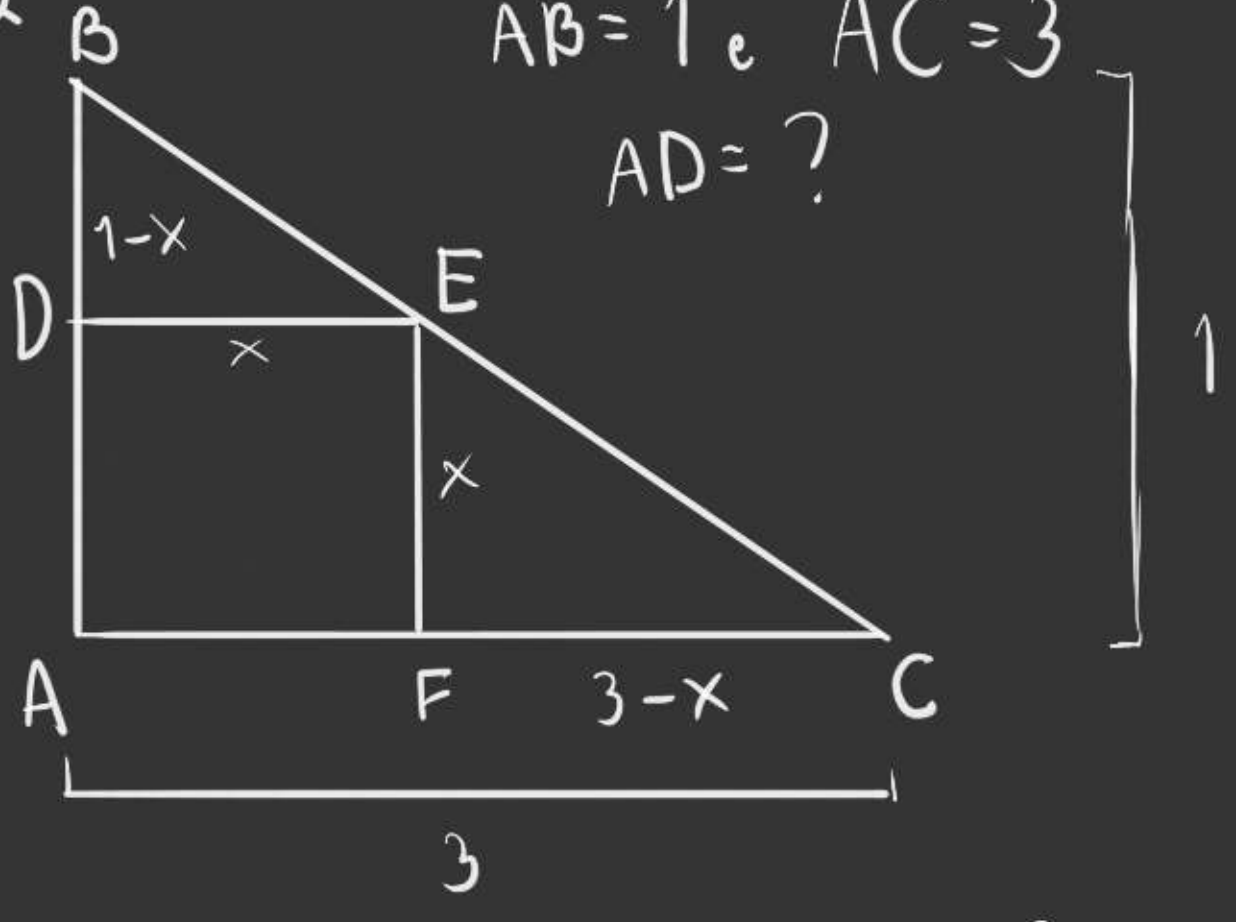
1.



$\frac{12}{0,6} = \frac{120}{6} = 20$

então $\frac{x}{20} = 1$, $x = 20$, D

2



$AB = 1$ e $AC = 3$

$AD = ?$

$\frac{3-x}{x} = \frac{x}{1-x} \Leftrightarrow (3-x)(1-x) = x^2$

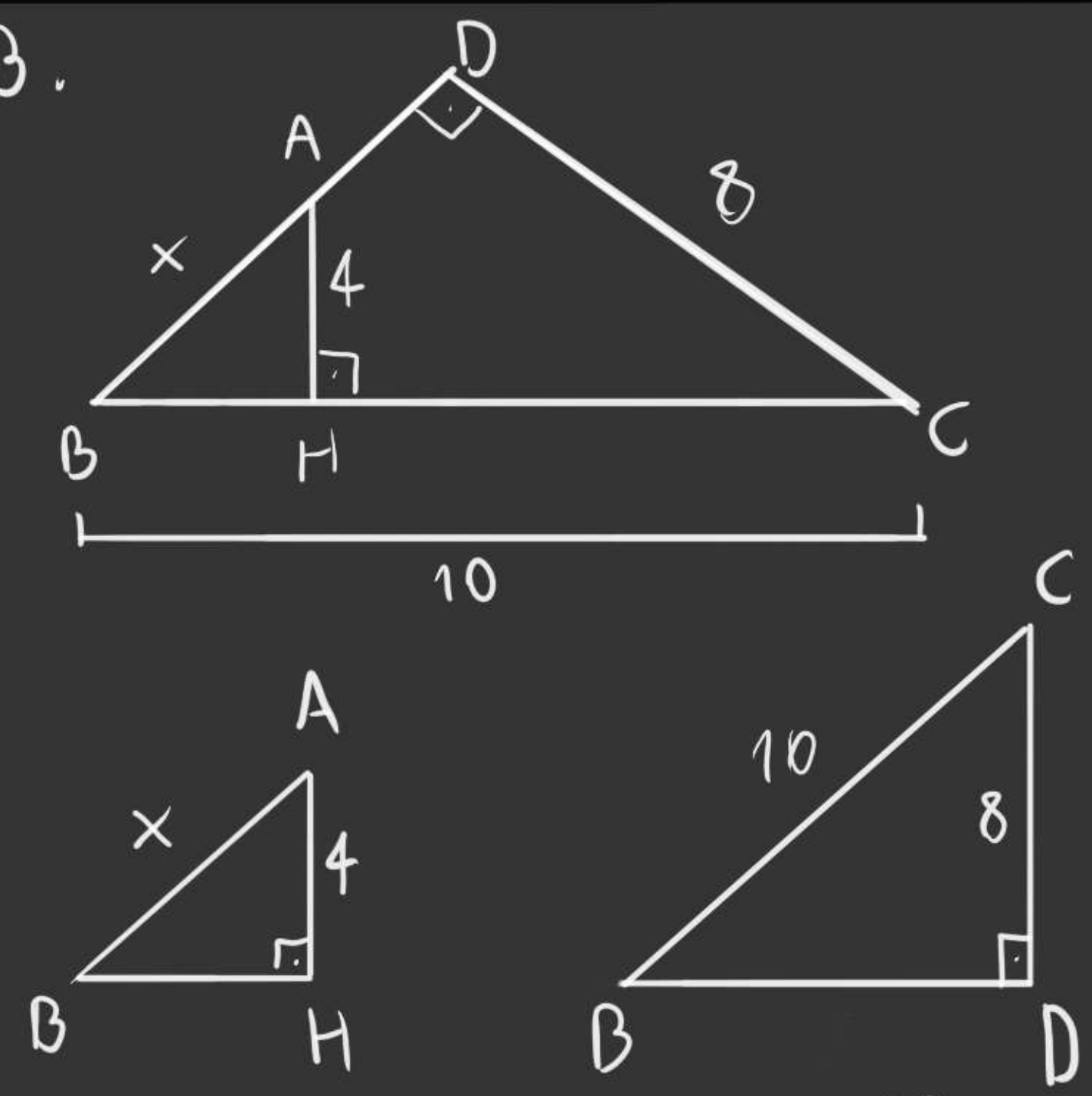
$3 - 3x - x + x^2 = x^2$

$3 - 4x = 0$

$4x = 3 \Leftrightarrow x = \frac{3}{4} = 0,75$

$x = 0,75$, B

3.



$\frac{10}{x} = \frac{8}{4} \Leftrightarrow 10 = x \cdot 2 \Leftrightarrow x = \frac{10}{2}$

$x = 5$, C