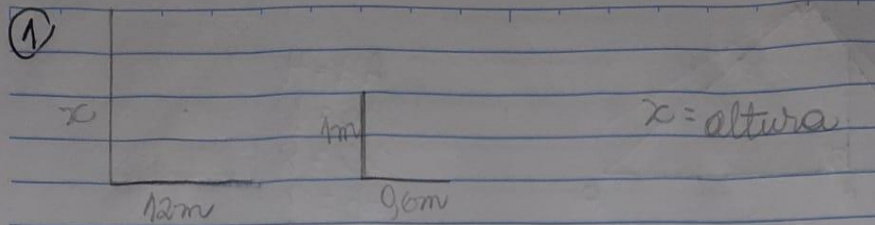


Evelyn Santos de Santana

CTII348

Semelhança de Triângulos

①



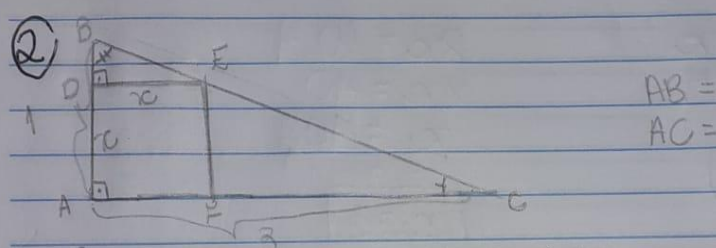
$x = \text{altura}$

$$\frac{x}{12} = \frac{1}{96}$$
$$0,6x = 1 \cdot 12$$
$$0,6x = 12$$
$$x = 12 / 0,6$$

Ⓓ

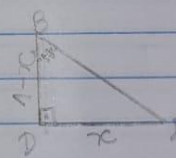
$x = 20m$

②



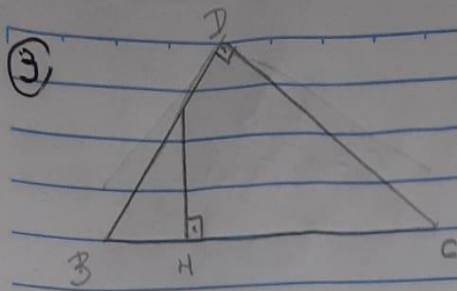
$AB = 1$   
 $AC = 3$

$\triangle ABC \sim \triangle DBE$

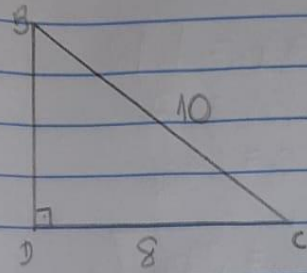

$$\frac{1}{1-x} = \frac{3}{x}$$
$$1x = 3(1-x)$$
$$1x = 3 - 3x$$
$$1x + 3x = 3$$
$$4x = 3$$
$$x = 3/4$$

Ⓑ

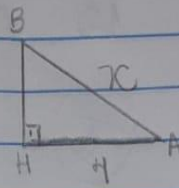
$x = 0,75$



$$\begin{aligned} AH &= 4 \\ BC &= 10 \\ DC &= 8 \\ AB &= ? \end{aligned}$$



$$\triangle BDC \sim \triangle HBA$$



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

$$8x = 10 \cdot 4$$

$$8x = 40$$

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

③

$$x = 5$$