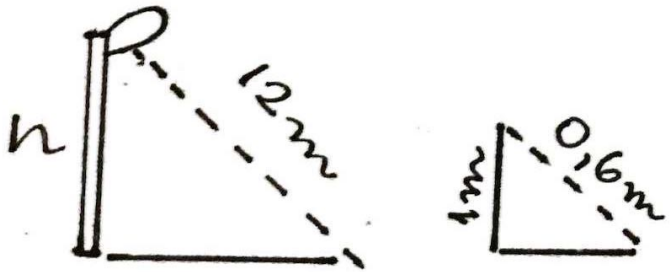
Semelhança de Triângulos

Naihara Barboza-317

1)

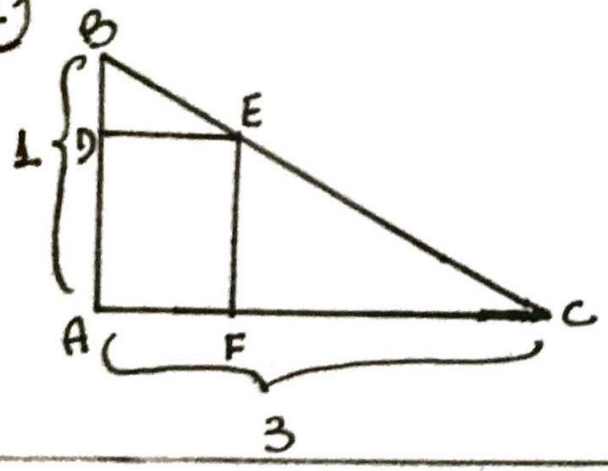


$$\frac{12}{0,6} = \frac{h}{1} \Rightarrow 12 * 1 = 0,6h$$

$$h = \frac{12}{0,6}$$

$$h = 20m$$

(2)



$$\frac{AB}{DB} = \frac{AC}{DE} \Leftrightarrow \frac{1}{1-AD} = \frac{3}{AD} \Leftrightarrow AD = 3(1-AD)$$

$$AD = 3 - 3AD$$

$$4AD = 3$$

$$AD = \frac{3}{4} = 0{,}75$$

$\Leftrightarrow DE = AD = \ell$

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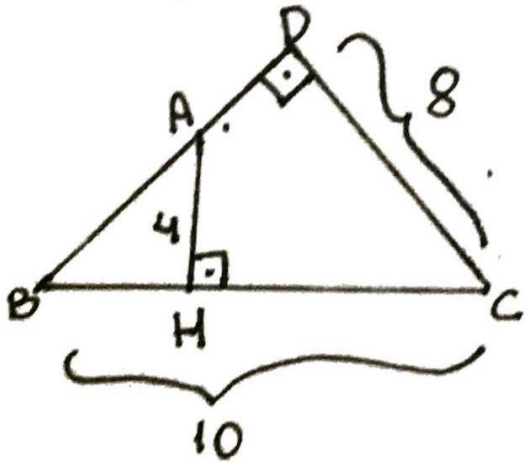
(3)



$$\frac{DC}{AH} = \frac{BC}{AB} \Leftrightarrow \frac{8}{4} = \frac{10}{AB} \Leftrightarrow 8AB = 4 \cdot 10$$

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

$$AB = 5$$