

TAREFA BÁSICA 21

Semelhança de triângulos

Q1) A altura do poste = ?

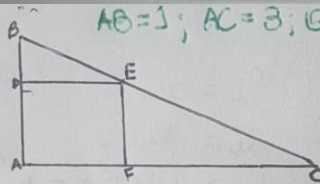
$$\frac{12}{0,6} = \frac{x}{1} \rightarrow 0,6x = 12$$

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

$$x = 20\text{m} \sim \text{letra D}$$

Q2)

AB=1; AC=3; Quanto mede o lado do quadrado? ADEF



$$\frac{AB}{DB} = \frac{AC}{DE} \rightarrow \frac{1}{1-AD} = \frac{3}{AD} \rightarrow$$

$$\rightarrow AD = 3 \cdot (1-AD)$$

$$AD = 3 - 3AD$$

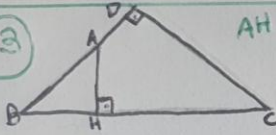
$$4AD = 3$$

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

$$\rightarrow AD = 0,75 \sim \text{letra B}$$

Q3)

AH=4; BC=10; DC=8 - MEDIDA AB?



$$\frac{AH}{DC} = \frac{AB}{BC} \rightarrow$$

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

$$8x = 40$$

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

$$x = 5,0 \sim \text{letra C}$$