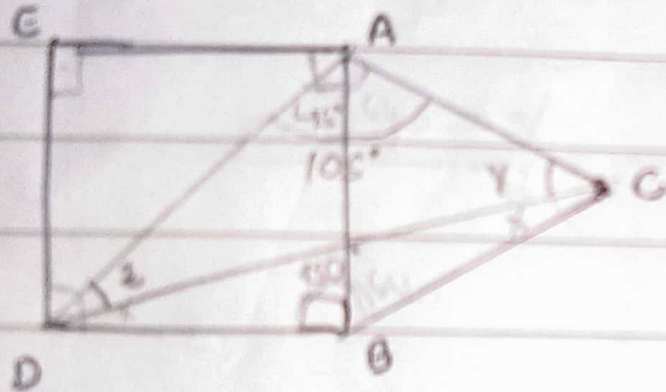


## Tarefa Básica

### Quadriláteros Notáveis

1. O ângulo  $\widehat{CDA}$  vale:



$$150^\circ + 2x = 180^\circ$$

$$2x = 180^\circ - 150^\circ$$

$$2x = 30^\circ$$

$$x = 15^\circ$$

$ABDE \rightarrow$  quadrado

$ABC \rightarrow$  triângulo equilátero

$$x + y = 60^\circ$$

$$15^\circ + y = 60^\circ$$

$$y = 60^\circ - 15^\circ$$

$$y = 45^\circ$$

$$105^\circ + 45^\circ + z = 180^\circ$$

$$150^\circ + z = 180^\circ$$

$$z = 180^\circ - 150^\circ$$

$$z = 30^\circ$$

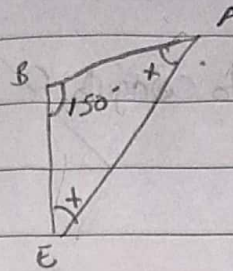
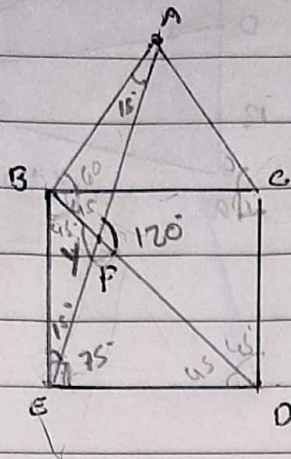
2.

$$90^\circ + 60^\circ = 150^\circ$$

ABC  $\rightarrow$  triângulo equilátero

BCDE  $\rightarrow$  quadrado.

$\hat{A}FD \rightarrow ?$



$$2x + 150^\circ = 180^\circ$$

$$2x = 180^\circ - 150^\circ$$

$$x = \frac{30^\circ}{2} = 15^\circ$$

R

$$48^\circ + 15^\circ + y = 180^\circ$$

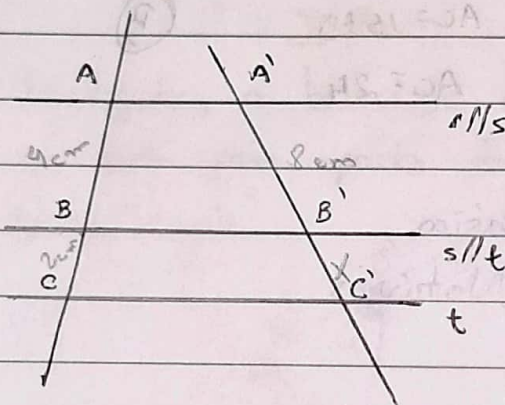
$$60^\circ + y = 180^\circ$$

$$y = 180^\circ - 60^\circ$$

$$y = 120^\circ$$

(C)

4.



$$\frac{4}{2} = \frac{8}{x}$$

$$4x = 16$$

$$x = \frac{16}{4}$$

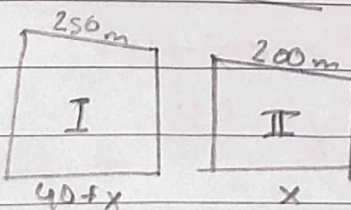
$$x = 4 \text{ cm}$$

5.

(e)

6.

$$\begin{array}{r} 8000 \text{ } 150 \\ 300 \text{ } 160 \\ \hline 00 \end{array}$$



$$\frac{250 \text{ m}}{40+x} = \frac{200 \text{ m}}{x}$$

$$250x = 8000 + 200x$$

$$50x = 8000$$

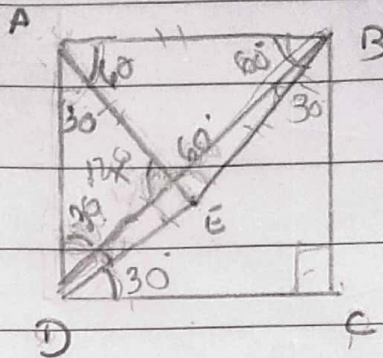
$$x = \frac{8000}{50} = 160 \text{ metros}$$

tilibra

(A)



3.



$$30^\circ + 30^\circ + x = 90^\circ$$

$$60^\circ + x = 90^\circ$$

$$x = 90^\circ - 60^\circ$$

$$x = 30^\circ$$

$$30^\circ + 30^\circ + x = 180^\circ$$

$$60^\circ + x = 180^\circ$$

$$x = 120^\circ$$

