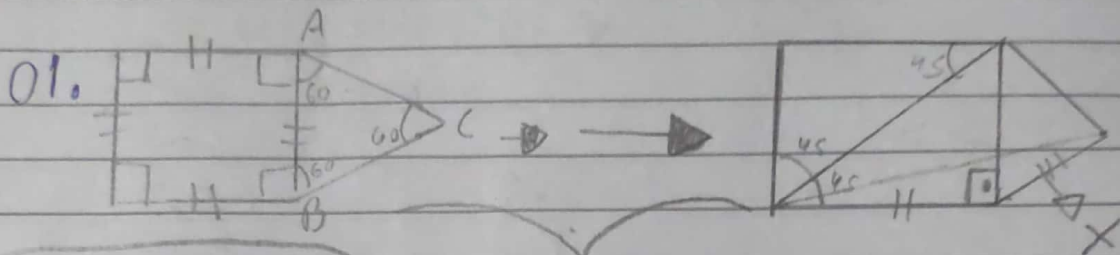


Exerc: Quadriláteros notáveis



$$\begin{aligned} x + \alpha^\circ &= 45^\circ \\ 15^\circ + \alpha &= 45^\circ \\ \alpha &= 30^\circ \end{aligned}$$

$$x + x + 60 + 90 = 180^\circ$$

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

$$2x = 180 - 150$$

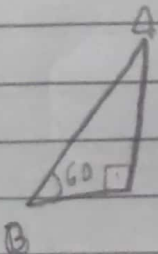
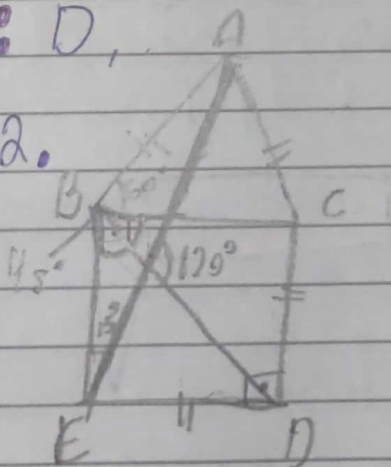
$$2x = 30$$

$$x = \frac{30}{2}$$

$$x = 15.$$

R: D,

02.



$$\rightarrow 60^\circ + 90^\circ = 150^\circ \rightarrow 150^\circ + 2x = 180^\circ$$

$$2x = 30 \rightarrow x = 15.$$

$$45^\circ + 15^\circ + x = 180^\circ$$

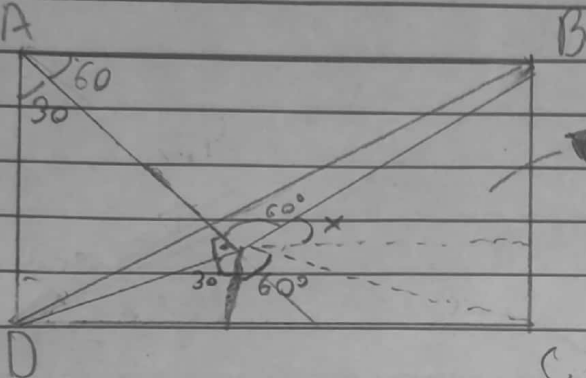
$$60^\circ + x = 180^\circ$$

$$x = 180 - 60 \rightarrow x = 120^\circ$$

R: C)

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03. A



$$90^\circ + 90^\circ + 60^\circ + 60^\circ + 2x = 360^\circ$$

$$300 + 2x = 360^\circ$$

$$2x = 60$$

$$x = 60/2$$

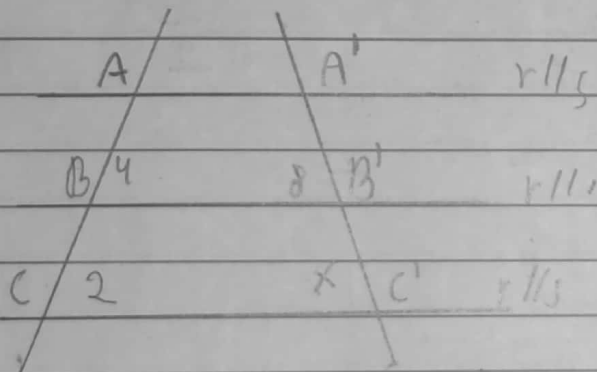
$$x = 30^\circ$$

//

$$x = 30^\circ \rightarrow \angle BDE = 30^\circ$$

R: E //

04



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

$$4x = 16$$

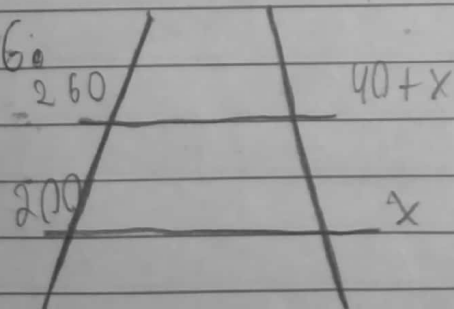
$$x = 16/4$$

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

//

05. Em suma, um paralelogramo é basicamente um quadrilátero com lados paralelos, dessa forma, toda losanga é um paralelogramo.

06.



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

$$250x = 8000 + 200x$$

$$50x = 8.000$$

$$x = 8000/50 \rightarrow x = 160 \text{ m}$$

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Resposta: A //