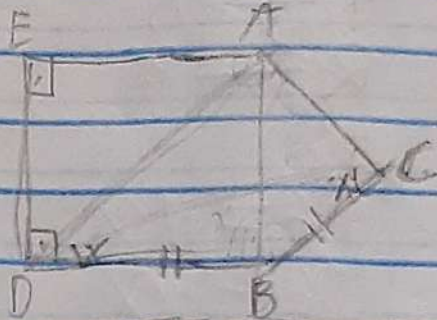


# Tarefa Básica - Quadriláteros notáveis.

01-



$$\widehat{ADB} = 45^\circ \text{ (diagonal)}$$

$$\widehat{DAE} = 45^\circ + 60^\circ$$

$$\widehat{DAC} = 105^\circ$$

$$105^\circ + (45^\circ - x) + (60^\circ - x) = 180$$

$$210 - 2x = 180$$

$$-2x = 180 - 210$$

$$-2x = -30$$

$$x = 30$$

$$x = 15^\circ$$

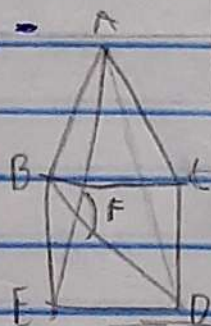
$$\widehat{ADC} = 45^\circ - x$$

$$\widehat{ADC} = 45^\circ - 15^\circ$$

$$\widehat{ADC} = 30^\circ$$

(D)

02-



$$\widehat{ABE} = 90^\circ + 60^\circ$$

$$\widehat{ABE} = 150^\circ$$

$$EB = BA$$

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

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

$$x = 30^\circ$$

$$2$$

$$x = 15^\circ$$

$$\widehat{DAF} = 60^\circ - 15^\circ$$

$$\widehat{DAF} = 45^\circ$$

$$\widehat{BD} = 45^\circ \text{ (diagonal)}$$

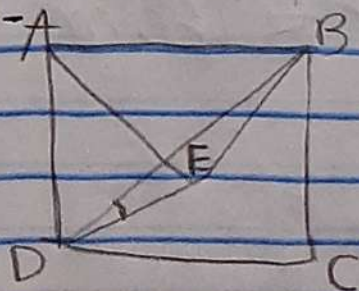
$$\widehat{AFD} + 45^\circ + 45^\circ = 180^\circ$$

$$\widehat{AFD} = 180^\circ - 90^\circ$$

$$\widehat{AFD} = 90^\circ$$

(A)

03-



$$\widehat{EAB} = 60^\circ$$

$$\widehat{ADE} = 75^\circ$$

$$\widehat{DAE} = 30^\circ$$

$$\widehat{BDE} = 75^\circ - 45^\circ$$

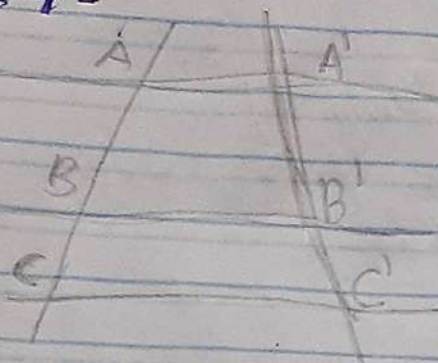
$$\widehat{BDE} = 30^\circ$$

(E)

$$\triangle DAE \text{ é isóceles} \mid \widehat{ADE} = \widehat{AED} = 75^\circ$$



04-



$$AB = 16m$$

$$BC = 2cm$$

$$A'B' = 8cm$$

$$B'C' = ?m$$

$$1 = 1$$

$$2 = 2$$

$$1 = 1$$

$$16 = 4x$$

$$16 = x$$

$$4 = x$$

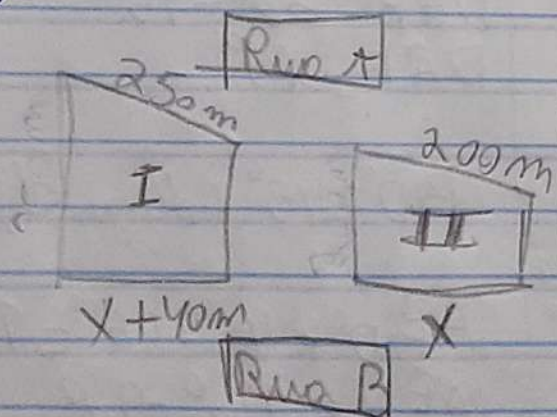
$$4m = x$$

$$B'C' = 4m$$

05 - Letra E

Um Paralelogramo é um quadrilátero com lados paralelos, Então, todo losango é paralelogramo.

06-



$$250 = 200$$

$$x + 40 = x$$

$$200x + 8000 = 250x$$

$$-50x = -8000$$

$$50x = 8000$$

$$x = 160$$

$$x = 160m - 40$$

$$x = 160m$$

A