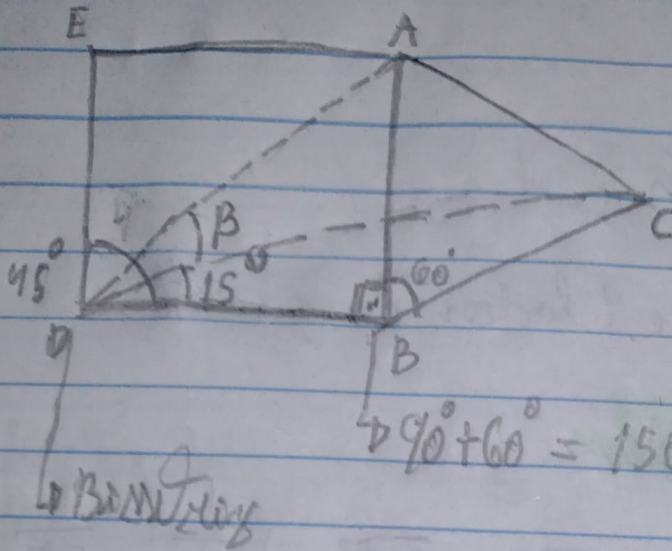
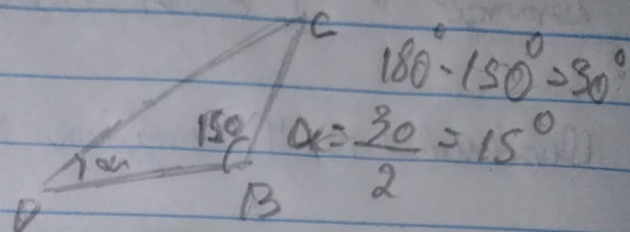


Exercícios

01-



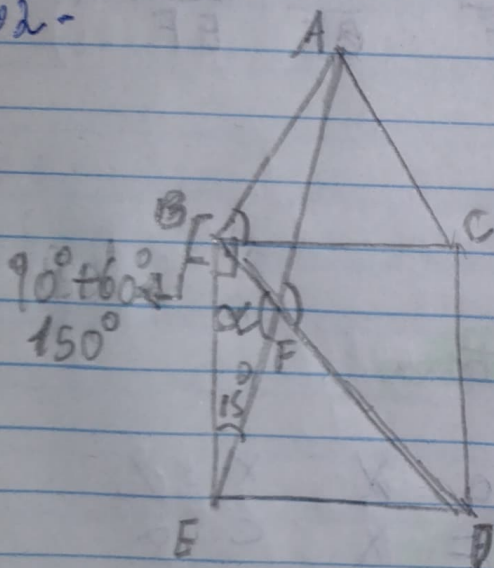
ABC = equilateral
CDA = inscricao



$$\hat{B} = \hat{C} = 45^\circ - 15^\circ = 30^\circ$$

(D)

02-



ABC = equilateral

ABE = inscricao

$$\hat{B} = 150$$

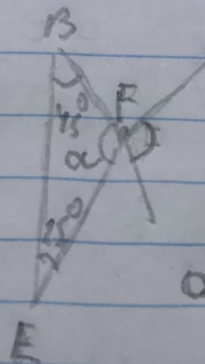
$$\hat{ABE} = 180^\circ - 150^\circ = 30^\circ$$

$$\hat{A} = \hat{E} = \frac{30}{2} = 15^\circ$$

$$\alpha = \hat{F}$$

oposto ao vertice

$$\hat{AFD} = 120^\circ$$

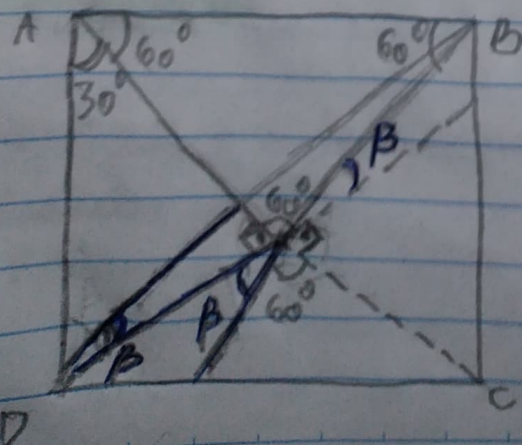


$$45 + 15 = 60^\circ$$

$$\alpha = 180^\circ - 60^\circ = 120^\circ$$

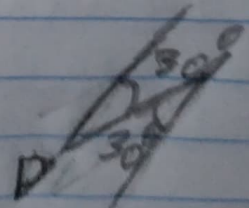
(C)

03-



ABE = equilateral

ABCD = quadrado



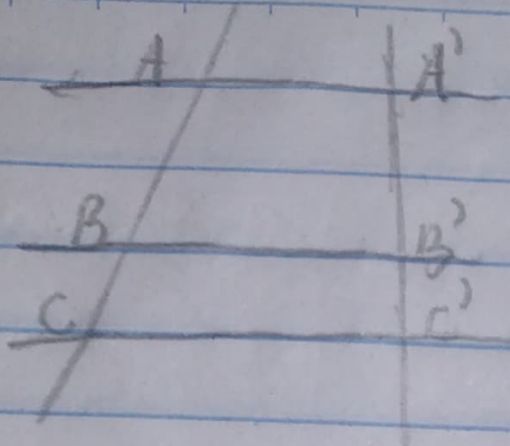
$$2\hat{B} = 360 - (150 + 120)$$

$$2\hat{B} = 360 - 300$$

$$\hat{B} = \frac{60}{2} = 30^\circ$$

(E)

04-



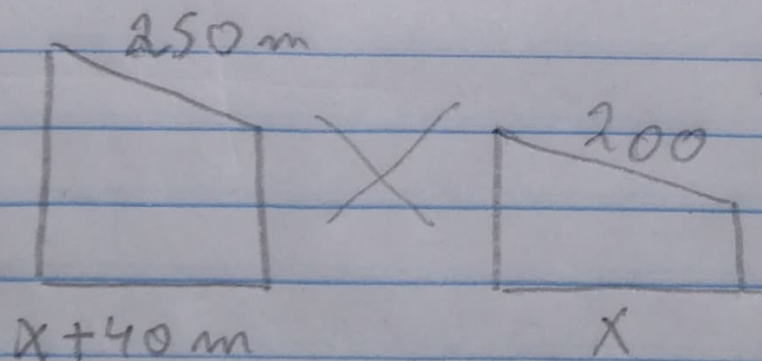
$$\frac{\overline{AB}}{\overline{BC}} = \frac{\overline{A'B'}}{\overline{B'C'}}$$

$$\frac{4}{2} = \frac{8}{x} \Rightarrow 4x = 16$$

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

05- (E) Falso, pois para um losango, os lados devem ser congruentes, o que é violado quando ele é paralelogramo com os lados opostos paralelos. Ou seja, um losango é um paralelogramo.

06-



$$250x = 200x + 8000$$

$$\Rightarrow 50x = 8000$$

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

(A)