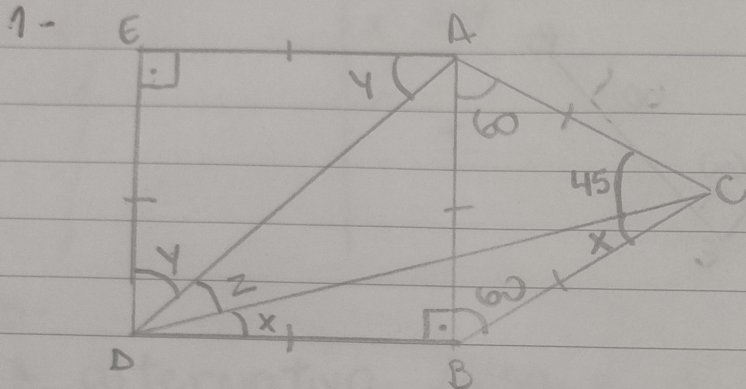


Nome: João Victor

Turma: CT11348

Prontuário: 1950527

Tarefa Básica.



$\triangle DBC$

$$150 + 2x = 180$$

$$2x = 30$$

$$x = 15^\circ$$

$\triangle EDA$

$$90 + 2y = 180$$

$$2y = 90$$

$$y = 45^\circ$$

\hat{D}

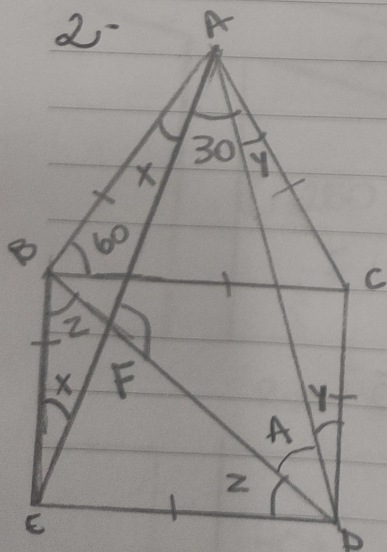
$$90 = x + y + z$$

$$90 = 15 + 45 + z$$

$$90 - 60 = z$$

$$z = 30^\circ$$

(D)



$\triangle ABE$ (isosceles)

$$150 + 2x = 180$$

$$2x = 30$$

$$x = 15^\circ$$

$\triangle BED$ (isosceles)

$$90 + 2z = 180$$

$$2z = 90$$

$$z = 45^\circ$$

$\triangle ACD$ (isosceles)

$$150 + 2y = 180$$

$$2y = 30$$

$$y = 15^\circ$$

\hat{D}

$$90 = A + y + z$$

$$90 = A + 15 + 45$$

$$A = 90 - 60$$

$$A = 30^\circ$$

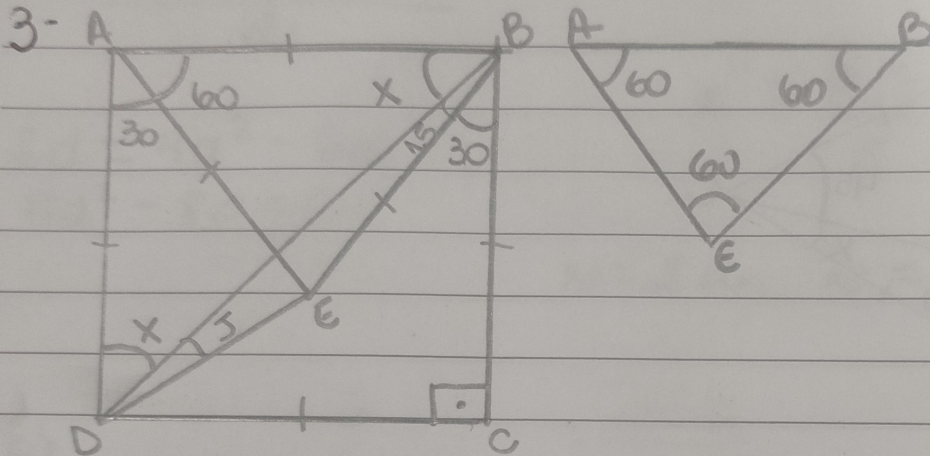
$\triangle AFD$

$$30 + 30 + \hat{F} = 180$$

$$\hat{F} = 180 - 60$$

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

(C)



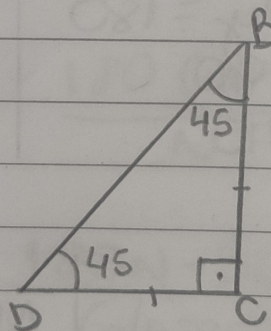
$\triangle ABD$ (isosceles)

$\triangle BCD$ (isosceles)

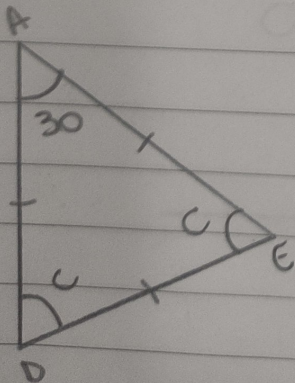
$$90 + 2x = 180$$

$$2x = 90$$

$$x = 45^\circ$$



$\triangle ADE$



$$30 + 2c = 180$$

$$2c = 150$$

$$c = 75^\circ$$

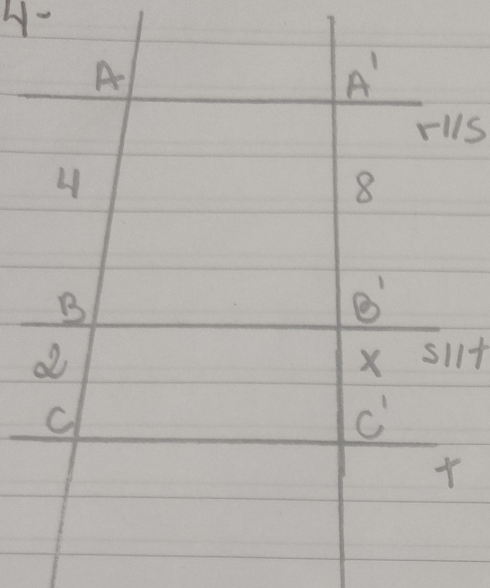
\hat{D}

$$75 = 75 - 45$$

$$75 = 30^\circ$$

(E)

4-



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

$$4x = 16$$

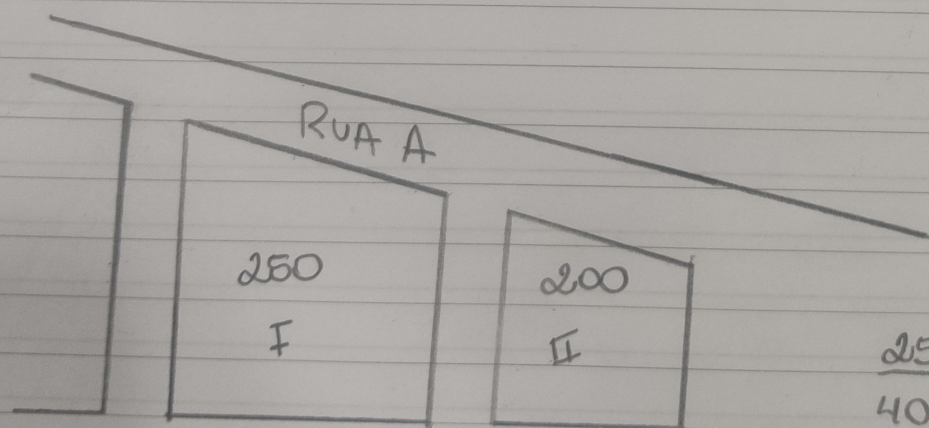
$$x = 4 \text{ cm}$$

$$\underline{\underline{4 \text{ cm}}}$$

5-

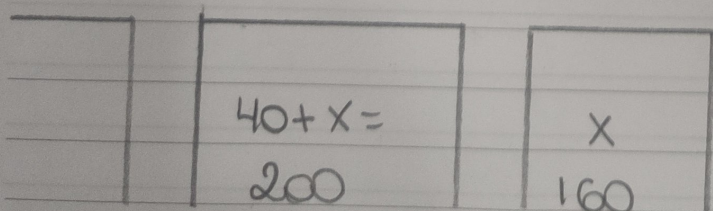
A alternativa falsa é a letra E, pois um paralelogramo é um quadrilátero com lados paralelos. Já o losango possui todos os lados iguais, mas NÃO deixa de ter lados opostos paralelos.

6-



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

RUA B



$$250x = 8000 + 200x$$

$$50x = 8000$$

$$x = \frac{8000}{50}$$

$$\underline{\underline{x = 160 \text{ m}}}$$

(A)