

INSTITUTO FEDERAL

São Paulo

Câmpus Cubatão

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SALA: 317

MATEMATICA

SEMANA 21

①

$$150 + 2(45 - x) = 180$$

$$150 + 90 - 2x = 180$$

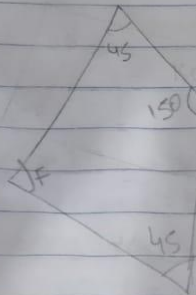
$$240 - 2x = 180$$

$$2x = 60$$

$$x = \frac{60}{2} = 30$$

Resposta: (D)

②



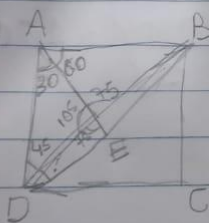
$$45 + 45 + 150 + F = 360$$

$$240 + F = 360$$

$$F = 360 - 240 = 120$$

Resposta: (C)

③



$$\hat{ABD} = 45 \rightarrow 180 - 90 = 90 - 45 = 45$$

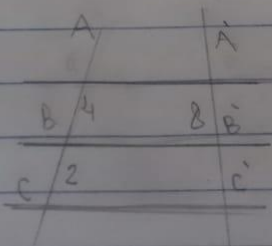
$$30 + 45 + x = 180 \rightarrow 180 - 75 = x = 105$$

Lado E é congruente

$$\hat{BDE} = 180 - 75 - 75 = 30$$

Resposta: (E)

④



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

$$4x = 16$$

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

Resposta: 4 cm

- (8) 5 a) quadrado tem os 4 lados iguais e congruente - V
 b) Retângulo e 4 lados retos sempre - V
 c) quadrilátero com lados opostos - V
 d) quadrado tem os lados retos - V
 e) losango se precisa ter os 4 ângulos congruentes - falso
- Resposta: (E)

6

| | |
|--------------------|-----------------|
| $\frac{250}{40+x}$ | $\frac{200}{x}$ |
|--------------------|-----------------|

$$250 \cdot 200 \rightarrow 250x = 200(40+x)$$

$$40+x \quad x \quad 250x = 8000 + 200x$$

$$250x - 200x = 8000$$

$$50x = 8000$$

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

Sol

Resposta: (A)