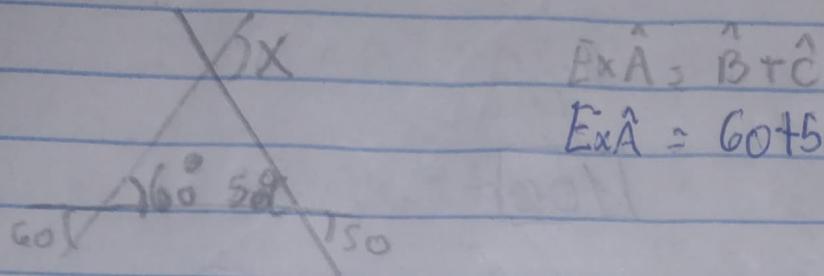


# Exercícios

01-



$$\text{Ex}\hat{A} = \hat{B} + \hat{C}$$

$$\text{Ex}\hat{A} = 60 + 50 = 110^\circ$$

(C)

Opção correta

02-  $3x + 4x + 5x = 180$

$$x = \frac{180}{12} = 15^\circ$$

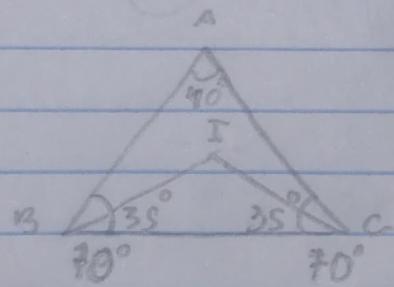
(E)

03-  $\overline{AB} = \overline{AC}$

$$2x + 70 = 180$$

$$2x = 140$$

$$x = 70$$



$\hat{B} = \hat{C}$  com binâncio:  
 $\hat{B} = 70 = 35$

$$\hat{C} = 70 = 35$$

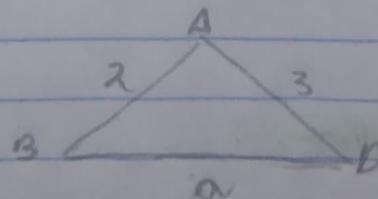
$$35 + 35 + \hat{I} = 180$$

$$\hat{I} = 180 - 70$$

$$\hat{I} = 110^\circ$$

(D)

04-  $\overline{AB} = \overline{BC}$

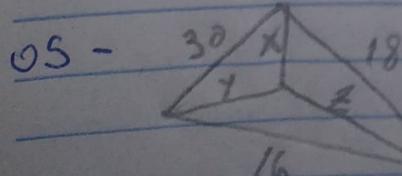


$$a < 2 + 3$$

$$a < 5$$

única alternativa\*

(E)



$$30 < x + y$$

$$18 < x + z$$

$$16 < y + z$$

$$\left. \begin{array}{l} 30 < x + y \\ 18 < x + z \\ 16 < y + z \end{array} \right\} + 64 < 2x + 2y + 2z : 2$$

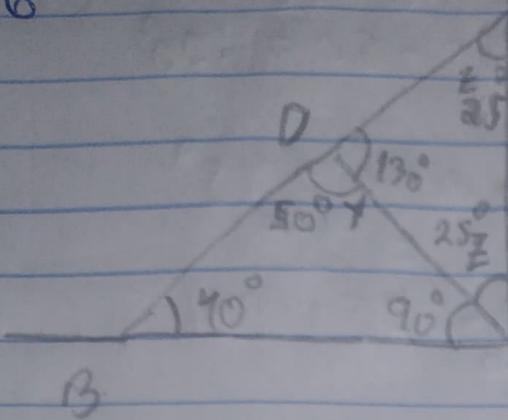
$$32 < x + y + z$$

06-

A

$$\hat{A}DC = 130^\circ$$

$AD \cong CD \Rightarrow$  isosceler  
 $CD \perp BC \Rightarrow 90^\circ$



$$Y = 180 - 130 = 50^\circ$$

$$\hat{B} = 180 - (90 + 50)$$

$$\hat{B} = 180 - 140 = 40^\circ$$

$AD \cong CD \Rightarrow$  ängular base congruent

$$130 + 2Z = 180$$

$$Z = \frac{50}{2} = 25^\circ$$

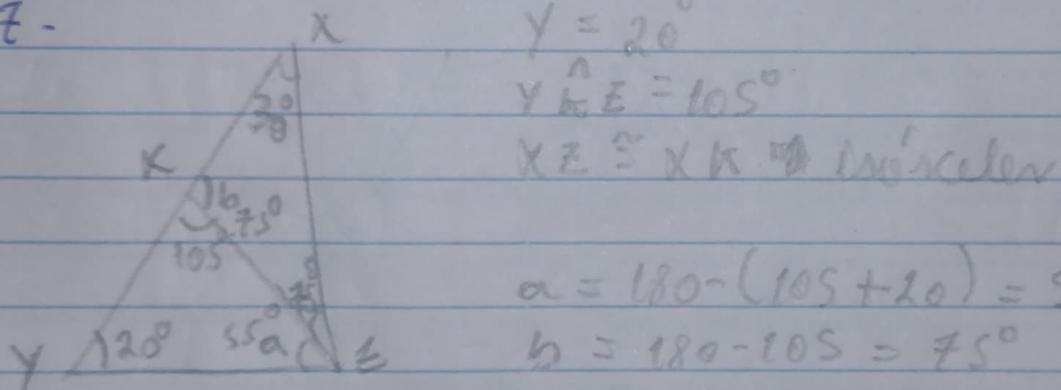
$$C = 90 + 25 = 115$$

$$\hat{A} = 25^\circ$$

$$\hat{B} = 40^\circ$$

$$\hat{C} = 115^\circ$$

07-



$$a = 180 - (105 + 20) = 55^\circ$$

$$b = 180 - 105 = 75^\circ$$

$XZ \cong XK \Rightarrow$  ängular base congruent

$$Z = 75 + 55 = 130^\circ$$

$$g = 180 - (75 + 20) = 85^\circ$$

$$\hat{X} = 30^\circ$$

$$\hat{Z} = 130^\circ$$

08- 20,16

$$\hat{B} = \hat{C}$$

$159,84^\circ$  Admin Tinde:  $\hat{E} \times \hat{A} = 20^\circ / 10^\circ \cong 20,16^\circ$

$$\hat{A} = 180 - 20,16 = 159,84^\circ$$

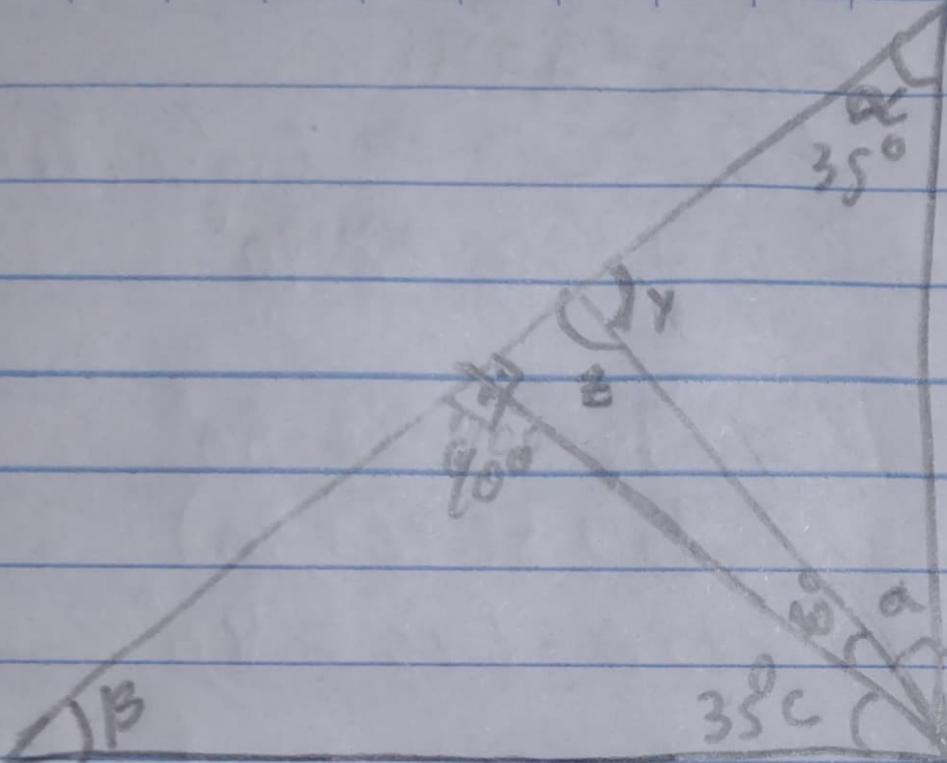
$$2x + 159,84 = 180$$

$$2x = 20,16$$

$$x = 10,08^\circ \rightarrow 1005'$$

(B)

09-



$$Z = 90 - 10 = 80^\circ$$

$$Y = 180 - 80 = 100^\circ$$

$$\text{BinnWdg} \text{ zu } 90^\circ = 45^\circ$$

$$a = 45 - 10 = 35^\circ$$

$$\alpha = 180 - (45 + 100)$$

$$\alpha = 35^\circ$$

$$c = 45 - 10 = 35^\circ$$

$$\beta = 180 - (35 + 90)$$

$$\beta = 55^\circ$$