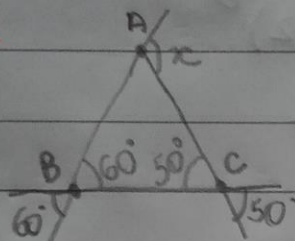


Nome: Kemily Teixeira Cruz CTII-317

## Tarefa Básica - Triângulos

01.

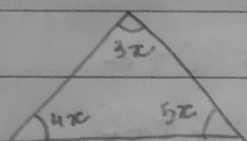


$$Ex \hat{A} = \hat{B} + \hat{C}$$

$$x = 60^\circ + 50^\circ$$

$$x = 110^\circ \text{ Letra C}$$

02.

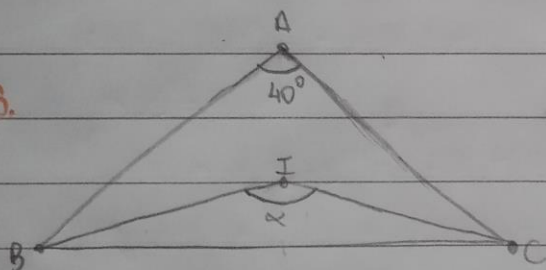


$$3x + 4x + 5x = 180^\circ$$

$$12x = 180^\circ$$

$$x = 15^\circ \text{ Letra E}$$

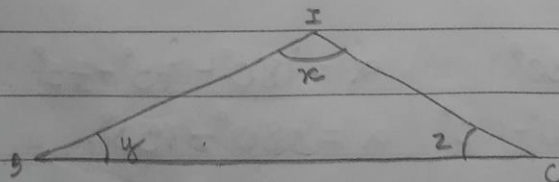
03.



$$\hat{A} + \hat{B} + \hat{C} = 180^\circ$$

$$40^\circ + \hat{B} + \hat{C} = 180^\circ$$

$$\hat{B} + \hat{C} = 140^\circ$$



$$y + z = \frac{\hat{B} + \hat{C}}{2}$$

$$y + z = \frac{140^\circ}{2}$$

$$x = 180^\circ - (y + z)$$

$$x = 180^\circ - 70^\circ$$

$$x = 110^\circ \text{ Letra D}$$

04.

$$\overline{BD} < 2 + 3$$

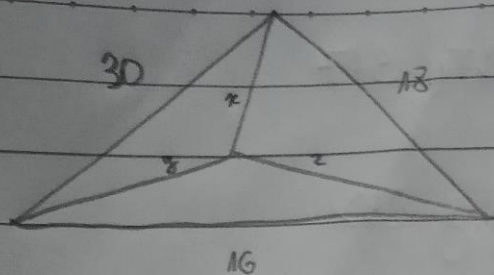
$$\overline{BD} < 5$$

$$\overline{BD} < 5 + 2$$

$$\overline{BD} < 7$$

Letra E //

05.



$$30 < x + y$$

$$+ 18 < x + z$$

$$16 < y + z$$

$$64 < 2x + 2y + 2z$$

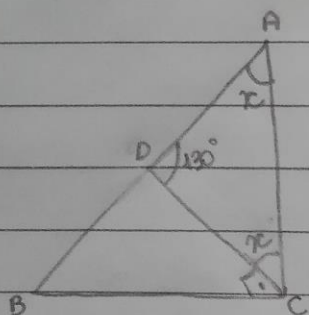
$$64 < 2(x + y + z)$$

$$x + y + z > \frac{64}{2}$$

Hence

$$\text{Let } E \leftarrow x + y + z > 32$$

06.



$$130^\circ + 2x = 180^\circ$$

$$C = 90 + x$$

$$2x = 180^\circ - 130^\circ$$

$$C = 90 + 25$$

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

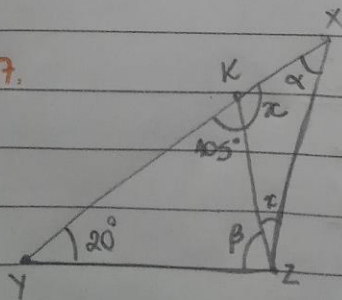
$$C = 115^\circ$$

$$B = 180^\circ - (A + C)$$

$$B = 180^\circ - 140^\circ$$

$$B = 40^\circ$$

07.



$$105^\circ + x = 180^\circ$$

$$\alpha = 180^\circ - 75^\circ - 75^\circ$$

$$x = 180^\circ - 105^\circ$$

$$\alpha = 180^\circ - 150^\circ$$

$$x = 75^\circ$$

$$\alpha = 30^\circ = X$$

$$\beta = 180^\circ - 105^\circ - 20^\circ$$

$$Z = \beta + x$$

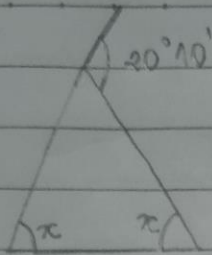
$$\beta = 180^\circ - 125^\circ$$

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

$$\beta = 55$$

$$Z = 130^\circ$$

08.



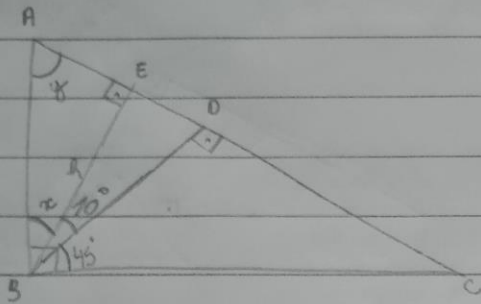
$$20^{\circ}10' = 2x$$

$$x = \frac{20^{\circ}10'}{2}$$

2.

$$x = 10^{\circ}05' \text{ letra B}$$

09.



$$x = 90^{\circ} - 70^{\circ} - 45^{\circ}$$

$$x = 90^{\circ} - 55^{\circ}$$

$$x = 35^{\circ}$$

$$y = 180^{\circ} - 90^{\circ} - 35^{\circ}$$

$$y = 180^{\circ} - 125^{\circ}$$

$$y = 55^{\circ}$$