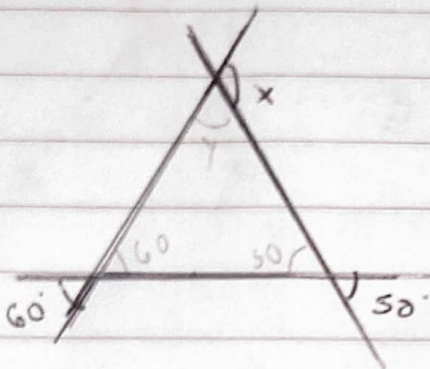


Tarefa Básica Triângulos

1.



$$60 + 50 + y = 180$$

$$110 + y = 180$$

$$y = 70^\circ$$

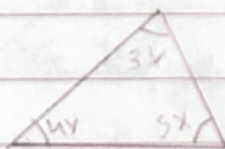
$$y + x = 180$$

$$70 + x = 180$$

$$x = 110^\circ$$

2.

(E)



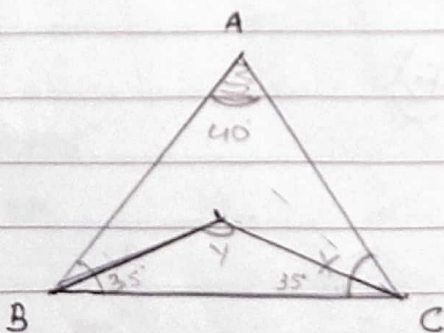
$$3x + 4x + 5x = 180$$

$$12x = 180$$

$$x = \frac{180}{12}$$

$$x = 15$$

3.



BT e CT são bissetrizes dos ângulos internos B e C

$$2x + 40 = 180$$

$$2x = 140$$

$$x = 70$$

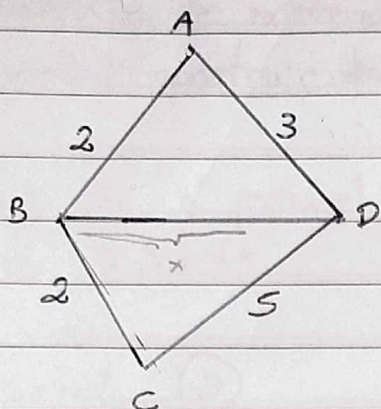
$$2 \cdot 35 + y = 180$$

$$70 + y = 180$$

$$y = 110^\circ$$

(D)

4.



$$b - c < a < b + c$$

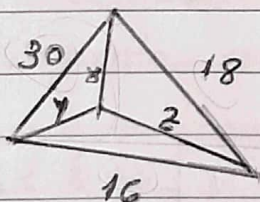
$$2 - 3 < a < 2 + 3$$

$$-1 < a < 5$$

$$a = 4$$

(E)

5.



$$a < c + b$$

2 lados \rightarrow divide por 2

$$30 < x + y$$

$$+ 18 < x + z$$

$$16 < y + z$$

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

2

$$32 < x + y + z$$

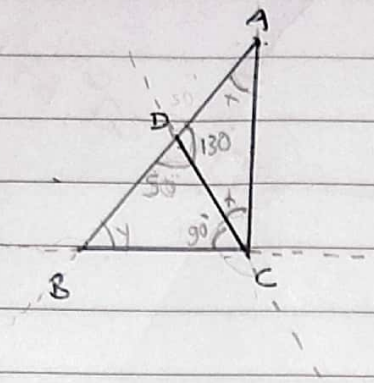
$$x + y + z = 33$$

pois é a única
maior que 32

(E)

6.

90
+ 25
115



$$130 + 2x = 180$$

$$2x = 180 - 130$$

$$x = \frac{50}{2}$$

$$x = 25^\circ$$

$$A = 25^\circ$$

$$B = 40^\circ$$

$$C = 90 + 25 = 115^\circ$$

$$50 + 90 + y = 180$$

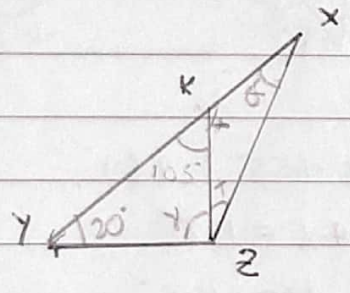
$$140 + y = 180$$

$$y = 180 - 140$$

$$y = 40^\circ$$

7.

55
75
130



$$105 + x = 180$$

$$x = 180 - 105$$

$$x = 75^\circ$$

180
125
55

$$105 + 20 + y = 180$$

$$125 + y = 180$$

$$y = 180 - 125$$

$$y = 55^\circ$$

$$x = ?$$

$$z = ?$$

$$y = 20^\circ$$

$$\angle KZ = 105^\circ$$

$$\angle XZ \cong \angle XK$$

$$z = y + x$$

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

$$z = 130^\circ$$

$$x = 30^\circ$$

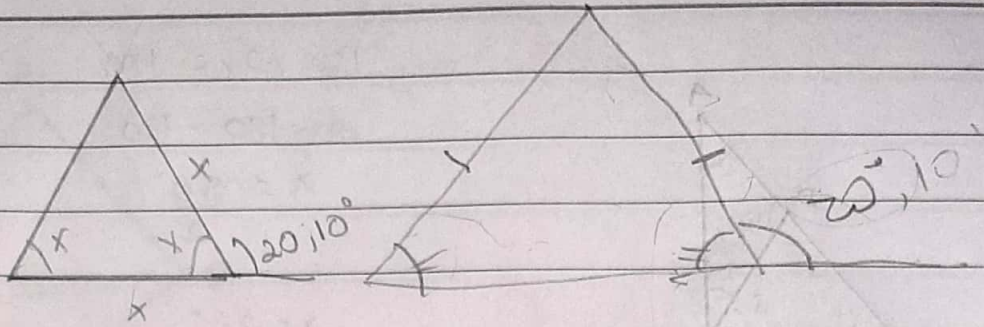
$$z = 130^\circ$$

$$20 + 130 + \alpha = 180$$

$$150 + \alpha = 180$$

$$\alpha = 30^\circ$$

8.

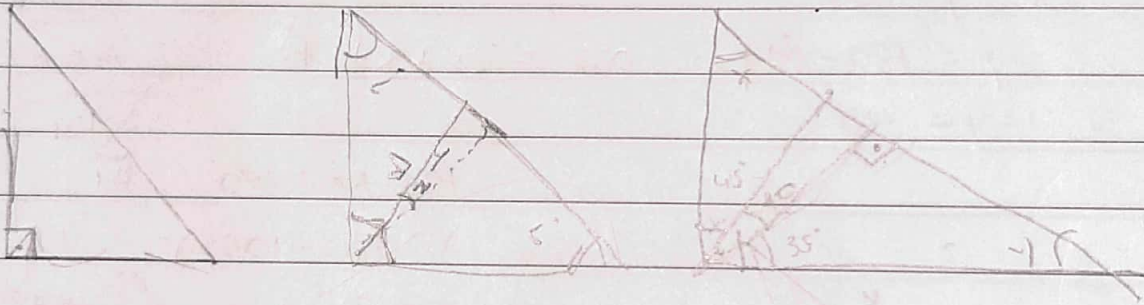


$$20^\circ 10' = 2x$$

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

$$x = 10^\circ 5'$$

9.



$$90 + 35 + y = 180$$

$$125 + y = 180$$

$$y = 55^\circ$$

$$90 + x + 55^\circ = 180$$

$$145 + x = 180$$

$$x = 180 - 145$$

$$x = 35^\circ$$