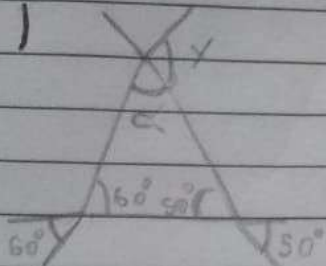


Tarefa Básica

1)



$$60 + 50 = x$$

$$x = 110^\circ$$

alternativa (C)

2) $3x + 4x + 5x = 180$

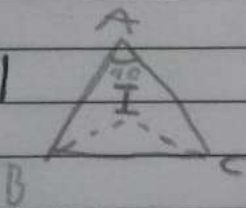
$$12x = 180$$

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

$$x = 15^\circ$$

alternativa (E)

3)



$$40 + B + C = 180^\circ$$

$$B + C = 140$$

$$\frac{140}{2} = 70^\circ$$

Uma bissetriz divide um ângulo em dois congruentes!

$$B + C = I + 70 = 180$$

$$I = 110$$

alternativa (D)

4) Condições de existência do triângulo

$$ABD: |2-3| < x < 2+3 \rightarrow 1 < x < 5,$$

$$BCD: |2-5| < x < 2+5 \rightarrow 3 < x < 7$$

Então: $3 < x < 5$ $x=4$ Alternativa (E)

5) Condições de existência

$$30 < x+y$$

$$18 < x+z$$

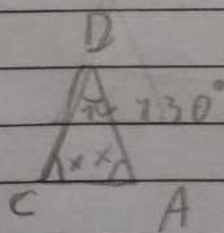
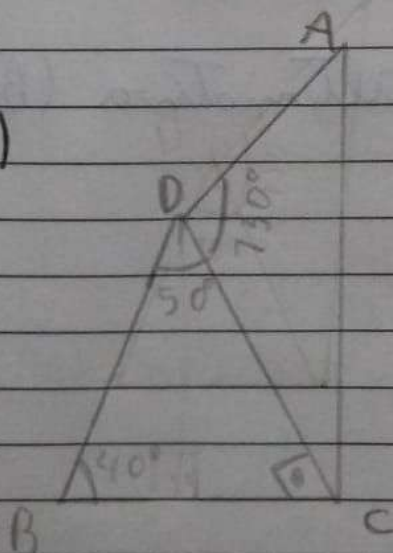
$$16 < y+z$$

$$64 < 2x+2y+2z \quad \% 2$$

$$32 < x+y+z$$

$x+y+z > 32$, então é a letra E pois é 33

6)



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

$$2x = 180 - 130$$

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

$$x = 25^\circ$$

$$\hat{C} = 25 + 90 = 115^\circ$$

$$D = 180 - 130$$

$$D = 50^\circ$$

$$\hat{D} + 90 + 50 = 180^\circ$$

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

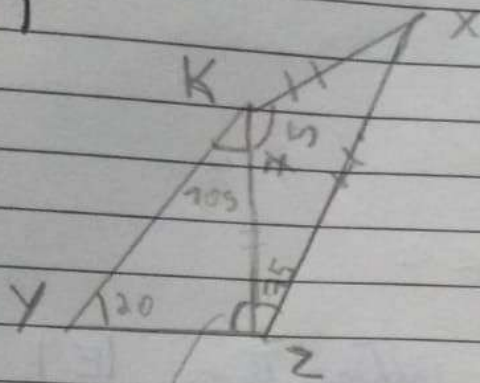
$$\hat{B} = 40^\circ$$

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

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

$$\hat{C} = 115$$

7)



$$180 - 125 = 55^\circ$$

$$E_{\text{K}} = 180 - 105 = 75^\circ$$

$$E_{\text{K}} = 75^\circ$$

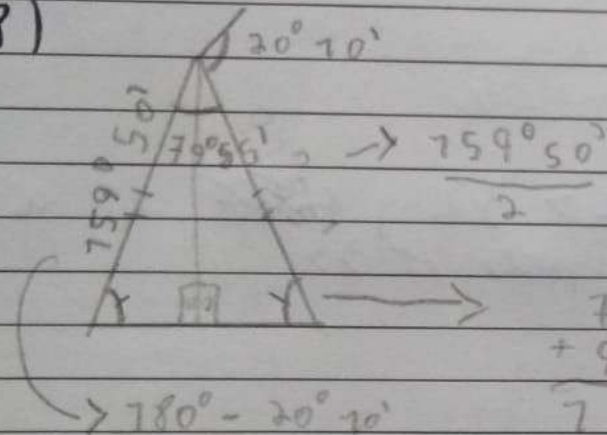
$$\hat{X} = 180^\circ - 150^\circ$$

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

$$\hat{Z} = 75^\circ + 55^\circ$$

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

8)



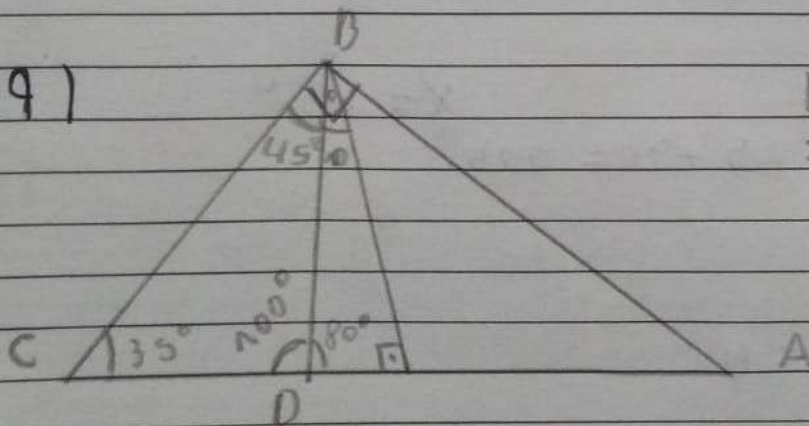
$$180^\circ 00'$$

$$- 79^\circ 55'$$

$$100^\circ 05'$$

alternativa (B)

9)



$$\hat{E} \hat{D} B = 180^\circ - 10^\circ - 90^\circ = 80^\circ$$

$$\hat{C} \hat{D} B = 180 - 80^\circ = 100^\circ$$

DB é uma bissetriz

$$\hat{D} \hat{C} B = 180 - 145^\circ = 35^\circ$$

$$\hat{C} \hat{A} B = 180^\circ - 125^\circ = 55^\circ$$

$$\hat{D} \hat{B} C = 45^\circ$$

Resposta: 35° e 55°