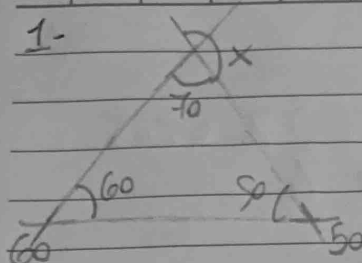


DOM SEG TER QUA QUI SEX SÁB
DOM LUN MAR MIE JUE VIE SÁB

1-



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

$$x = 180 - 70$$

$$x = 110$$

Alternativa

C

2- $3x + 4x + 5x = 180^\circ$

$$12x = 180^\circ$$

$$x = 15^\circ$$

Alternativa E

3- $\begin{cases} 40 + y + z = 180 \\ x + \frac{y}{2} + \frac{z}{2} = 180 \cdot (-2) \end{cases}$

$$\begin{cases} 40 + y + z = 180 \\ -2x - y - z = -360 \end{cases} \Rightarrow \begin{cases} 40 - 2x = 180 - 360 \\ -2x = -180 - 40 \\ x = \frac{220}{-2} = 110^\circ \end{cases}$$

Alternativa D

4- * Condições de existência de Δ :

ABD: $x < 3 + 2 \rightarrow x < 5$

BCD: $x < 5 + 2 \rightarrow x < 7$

$4 < 5$ e $4 < 7 \rightarrow$ Alternativa E

5- *

$$\begin{aligned} 30 &< x + y \\ 16 &< y + z \\ 18 &< x + z \end{aligned} \quad \Rightarrow \quad \begin{aligned} 64 &< 2x + 2y + 2z \quad (\div 2) \\ 32 &< x + y + z \end{aligned}$$

Alternativa E $\rightarrow 33$

6- $x + x + 130 = 180^\circ$
 $x = 25^\circ$

$$\begin{aligned} 25 + 115 + y &= 180 \\ y &= 180 - 140 \\ y &= 40 \end{aligned}$$

$$\begin{aligned} \hat{C} &= 90 + 25 \\ \hat{C} &= 115^\circ \end{aligned}$$

Resposta: $25^\circ, 40^\circ, 115^\circ$

7- $\hat{Z} = a + 75$
 $\hat{Z} = 55 + 75 = 130^\circ$

$$\begin{aligned} 20^\circ + a + 105 &= 180 \\ a &= 180 - 125 \\ a &= 55^\circ \end{aligned}$$

$$\begin{aligned} 75 + 75 + \hat{x} &= 180 \\ \hat{x} &= 30^\circ \end{aligned}$$

Resposta: 130° e 30°

8-

$$\begin{aligned} 20^\circ 10' &= x + x \\ 20^\circ 10' &= 2x \\ x &= 10^\circ 5' \end{aligned}$$

Alternativa
B

DOM	SEG	TER	QUA	QUI	SEX	SÁB
DOM	LUN	MAR	MIÉ	JUE	VIE	SÁB
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9.

$$x + 90 + 35 = 180$$

$$x = 180 - 125$$

$$x = 55^\circ$$

$$55 + 90 + y = 180$$

$$y = 180 - 145$$

$$y = 35^\circ$$

Resposta: 55° e 35°