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Sala: CTII 317

$$1) x = ?$$

$$60^\circ + x = 180^\circ$$

$$x = 180^\circ - 60^\circ$$

$$x = 120^\circ \quad \text{Litra C}$$

$$2) x = ?$$

$$60^\circ + 90^\circ + x = 180^\circ$$

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

$$x = 30^\circ \quad \text{Litra B}$$

$$3) x = ?$$

$$x = 2a$$

$$x + a = 180^\circ - 60^\circ$$

$$x = 2 \cdot 60^\circ = 120^\circ \text{ letra D}$$

$$4) 30^\circ + x = 80^\circ + 40^\circ$$

$$30^\circ + x = 120^\circ$$

$$x = 120^\circ - 30^\circ$$

$$x = 90^\circ$$

$$5) x + y = 180^\circ$$

$$y = (5/4)x$$

$$x + (5/4)x = 180^\circ$$

$$(9/4)x = 180^\circ$$

$$x = \frac{180^\circ}{(9/4)}$$

$$(9/4)$$

$$x = 80^\circ$$

$$y = (5/4) \cdot 80^\circ$$

$$y = 100^\circ \text{ letra A}$$

$$6) \quad x = \frac{90^\circ - x}{2}$$

$$2x = 90^\circ - x$$

$$3x = 90^\circ$$

$$x = \frac{90^\circ}{3}$$

$$x = 30^\circ \text{ letra A}$$

$$7) \quad 3(90^\circ - x) = \frac{180^\circ - x}{3}$$

$$270^\circ - 3x = \frac{180^\circ - x}{3}$$

$$810^\circ - 9x = 180^\circ - x$$

$$8x = 810^\circ - 180^\circ$$

$$8x = 630^\circ$$

$$x = 78,75^\circ \text{ letra E}$$