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Trava Educação de Jovens e Adultos

Geometria Plana

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→ Turfa Bóico

① $\frac{60}{x} = \frac{x}{180}$ $x = ?$

$60 + x = 180$

$x = 180 - 60$

② 140° 170° 140° $x = 120^\circ$

③ 110° 130°

$x = ?$

④ $90 + x = 120$ 90° 70° 38°

$x = 120 - 90$ 30° 40°

$x = 30$ 35°

⑤ $x = ?$

$2a + a = 180$ $60 + x = 180$

$3a = 180$ $x = 180 - 60$

$a = 60$ $x = 120^\circ$

⑥ 90° 100° 110° 120° 130°

⑦ $x = ?$

40° 50° 90° 50° 30° 115°

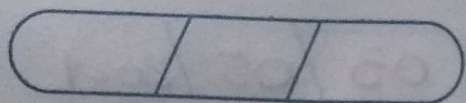
⑧ 100°

⑨ 144° 80°

⑩ 36° 72° $5x = 720$

$x = \frac{720}{5} = 144^\circ$

tilibra



(b) ~~a~~ 30° (d) 90°

(b) 60° (e) 75°

(c) 45°

$$x = 90 - x$$

2

$$2x = 90 - x$$

$$3x = 90$$

$$x = 30$$

(7) (a) 45° (d) 60°

(b) $48^\circ 30'$ (e) $78^\circ 45'$

(c) $56^\circ 15'$

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

$$(270 - 3x)3 = 180 - x$$

$$810 - 9x = 180 - x$$

$$810 - 180 = -x + 9x$$

$$x = 78^\circ 45'$$