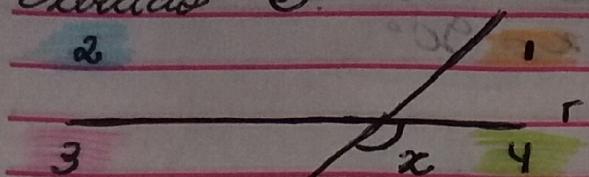


Geometria - Tarefa Básica 1

Exercício ①.

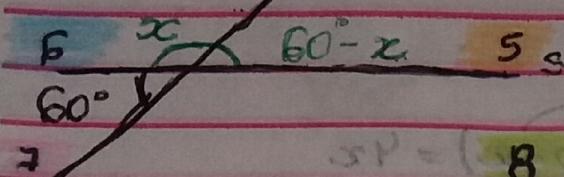
2



Posição 4 e 6 não concorrem congruentes

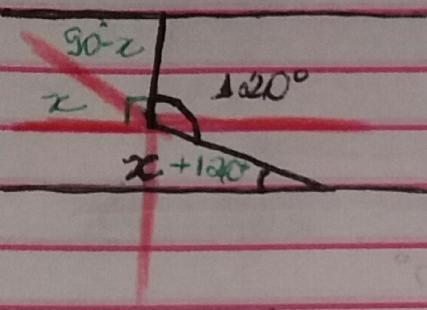
$$x + (60^\circ - x) = 180^\circ$$

$$180^\circ - 60^\circ = 120^\circ$$



Gabarito C = 120°

Exercício ②

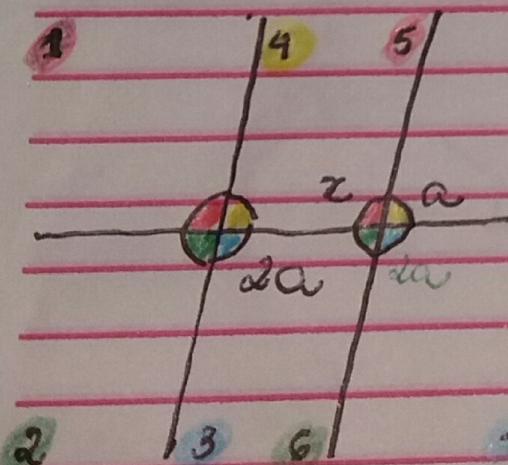


$$(90^\circ - x) + (120^\circ + x) \neq 180^\circ$$

$$210^\circ - 180^\circ = 30^\circ$$

Gabarito B = 30°

3º Exercício

Posição 3 e 5 não concordam
então: $z = 2 \cdot a \Leftrightarrow z = 2 \cdot 60^\circ$

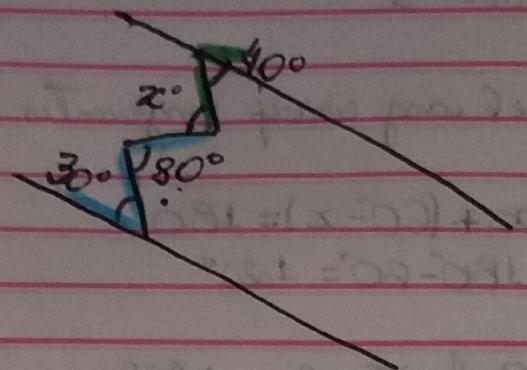
$$2 \cdot a + a = 180^\circ$$

$$a = \frac{180^\circ}{3} = 60^\circ$$

$$2 \cdot 60^\circ = 120^\circ$$

Gabarito D = 120°

Exercício ④



$$x = (80^\circ + 40^\circ) - 30^\circ$$

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

$$x = 90^\circ$$

Exercício ⑤

$$\frac{5}{4} \times \frac{x}{180-x}$$

$$5 \cdot (180-x) = 4x$$

$$x = \frac{900}{9} = 100^\circ$$

Gabarito A = 100°

Exercício ⑥

$$\frac{1}{2} \times \frac{x}{90-x}$$

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

$$x = \frac{90^\circ}{3} = 30^\circ$$

Exercício ⑦

$$3 \cdot (90-x) = 180-x$$

$$270-3x = 180-x$$

$$8x = 80 - 180$$

$$x = \frac{630}{8} = 78,75$$

$$\frac{75}{2} \times \frac{30}{60} = \frac{75 \cdot 60}{120} = 45 \text{ então } 78^\circ 45'$$