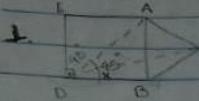


Lista de exercícios - quadriláteros notáveis

1. 

$$3x + 150^\circ = 180^\circ$$

$$3x = 180^\circ - 150^\circ$$

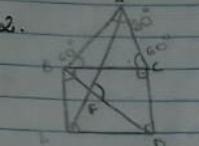
$$3x = 30^\circ$$

$$x = 30^\circ / 3$$

$$x = 10^\circ$$

$$45^\circ - 15^\circ = 30^\circ \text{ alternativa (D) } //$$

$$x = 10^\circ$$

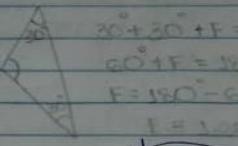
2. 

$$120^\circ + 2x = 180^\circ$$

$$2x = 180^\circ - 120^\circ$$

$$2x = 60^\circ$$

$$x = 60^\circ / 2$$

$$x = 30^\circ$$


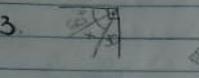
$$30^\circ + 30^\circ + F = 180^\circ$$

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

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

$$F = 120^\circ$$

$$\text{alternativa (C) } //$$

3. 

$$90^\circ + 60^\circ + x = 150^\circ$$

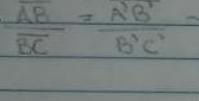
$$150^\circ + x = 150^\circ$$

$$x = 0^\circ$$

$$\text{angulos congruentes}$$

$$b, c, d = 30^\circ$$

$$\text{alternativa (E) } //$$

4. 

$$\frac{AB}{BC} = \frac{RB}{RC} \rightarrow \frac{4}{2} = \frac{x}{8}$$

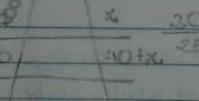
$$4 \cdot 8 = x \cdot 2$$

$$32 = 2x$$

$$x = 16$$

$$\text{alternativa (A) } //$$

5. A afirmação falsa é a alternativa (B), porque todo losango é sim um paralelogramo. //

6. 

$$x + 200^\circ = 280^\circ$$

$$x = 280^\circ - 200^\circ$$

$$x = 80^\circ$$

$$200^\circ + 80^\circ = 280^\circ$$

$$280^\circ = 280^\circ$$

$$x = 80^\circ$$

$$\text{alternativa (A) } //$$

tilibra