

DOM	SEG	TER	QUA	QUI	SEX	SÁB
DOM	LUN	MAR	MIÉ	JUE	VIE	SÁB
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

$$1- \hat{DBC} = 90^\circ + 60^\circ = 150^\circ \rightarrow x + x + 150 = 180^\circ$$

$$x = \frac{30}{2} = 15^\circ$$

$$x + y = 45^\circ$$

$$15 + y = 45^\circ$$

$$y = 30^\circ$$

Alternativa D

$$2- y = 60^\circ - x - x$$

$$y = 60^\circ - 30^\circ$$

$$y = 30^\circ$$

$$z = 90 - 45 - x$$

$$z = 90 - 45 - 15$$

$$z = 30^\circ$$

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

$$F = 180 - 60$$

$$F = 120^\circ$$

Alternativa C

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

$$x = \frac{30}{2} = 15^\circ$$

$$3- \hat{DEB} = 60^\circ + 75^\circ = 135^\circ$$

$$x + x + 30 = 180$$

$$x = \frac{150}{2} = 75^\circ$$

$$y = 180 - 135 - 15$$

$$y = 30^\circ$$

Alternativa E

$$4- \frac{AB}{BC} = \frac{A'B'}{B'C}$$

$$\frac{4}{2} = \frac{8}{x} = 4x = 16$$

$$x = 4$$

4 cm

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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5- A alternativa incorreta é a: E

$$6- X = 160 \text{ m}$$
$$40 + 160 = 200 \text{ m}$$

$$\frac{250}{40+X} = \frac{200}{X}$$

Alternativa A

$$250X = 8000 + 200X$$

$$50X = 8000$$

$$X = \frac{8000}{50} = 160$$