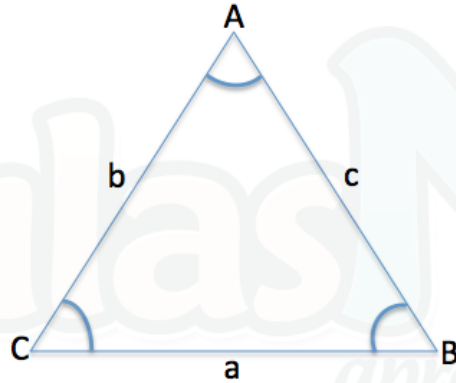


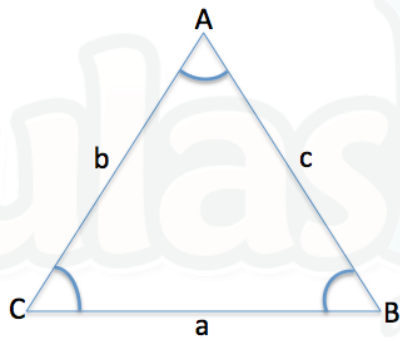
Lei dos Cossenos e Lei dos Senos

Lei dos Cossenos



$$a^2 = b^2 + c^2 - 2.b.c. \cos \theta$$

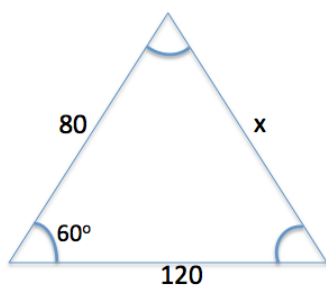
Lei dos Senos



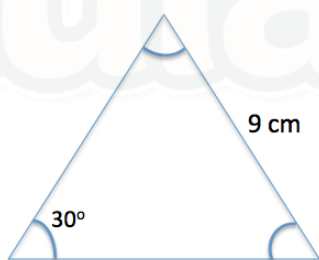
$$\frac{a}{\text{sen}A} = \frac{b}{\text{sen}B} = \frac{c}{\text{sen}C} = 2R$$

↓
Raio

Exercício Resolvido



$$x^2 = 120^2 + 80^2 - 2 \cdot 120 \cdot 80 \cdot \frac{1}{2}$$
$$x = 40\sqrt{7}$$



$$\frac{a}{\text{sen}A} = \frac{b}{\text{sen}B} = \frac{c}{\text{sen}C} = 2R$$

$$\frac{9}{\frac{1}{2}} = \frac{2R}{1}$$

$$R = 9\text{cm}$$