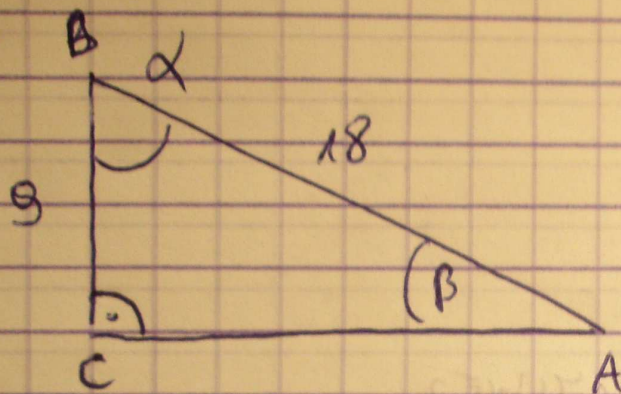


2AD



1 TW. PITAGORAS

$$|CA|^2 = 18^2 - 9^2$$

$$|CA|^2 = (18-9)(18+9)$$

$$|CA|^2 = 9 \cdot 27$$

$$|CA| = \sqrt{9 \cdot 27} = 9\sqrt{3}$$

$$\sin \alpha = \frac{|CA|}{18} = \frac{9\sqrt{3}}{18} = \frac{\sqrt{3}}{2}$$

$$\alpha = 60^\circ$$

$$\cos \beta = \frac{|CA|}{18} = \frac{9\sqrt{3}}{18} = \frac{\sqrt{3}}{2}$$

$$\beta = 30^\circ$$