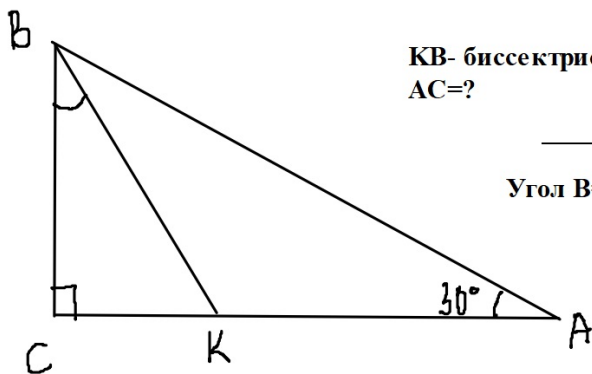




KB- биссектриса угла B, угол $A=30^\circ$, KB=18 см
AC=?

$$\text{Угол } B = 90^\circ - A = 90^\circ - 30^\circ = 60^\circ$$

$$\Rightarrow \angle CBK = B/2 = 60^\circ/2 = 30^\circ$$

$$\Delta CBK: CB = BK \cdot \cos(\angle CBK) = 18 \cdot \cos 30^\circ = 9\sqrt{3} \text{ см}$$

$$\Delta BCA: BC/CA = \tan A \Rightarrow CA = BC / \tan A$$

$$CA = 9\sqrt{3} / (\sqrt{3}/3) = 27 \text{ см}$$

$$\text{AC} = 27 \text{ см}$$