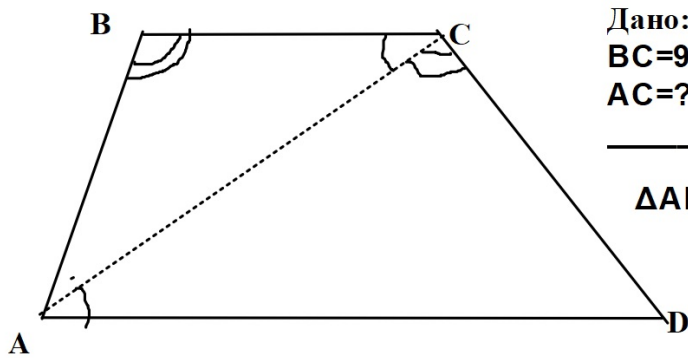




Дано: $\triangle ABC \sim \triangle DCA$
 $BC=9$ $AD=16$
 $AC=?$

$$\triangle ABC \sim \triangle DCA \Rightarrow AC/DA = BC/AC$$

$$\Rightarrow AC^2 = DA \cdot BC$$

$$\Rightarrow AC^2 = 9 \cdot 16$$

$$AC = 3 \cdot 4 = 12$$