



$$\widehat{EDC} \sim \widehat{ABC}$$

Alanlar oranı; $\frac{A(\widehat{EDC})}{A(\widehat{ABC})} = \frac{a}{9a} = \frac{1}{9}$ ise,

benzerlik oranı; $\sqrt{\frac{1}{9}} = \frac{1}{3}$ ise, $|ED| = 8$ ve $|DC| = 6$ br olur.

$$\tan \widehat{AC'E} = \tan(\pi - y) = -\tan y = \boxed{-\frac{4}{3}}$$