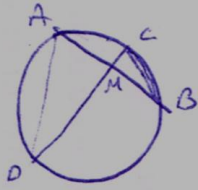


3.44
4



$\angle C = \angle A$ (הקדמה)
 $\angle B = \angle D$ (הקדמה)

10

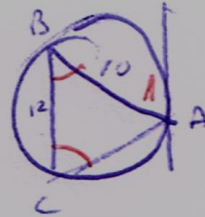
$\Delta AMD \sim \Delta CMB$ (s.s)

$$\frac{DM}{MB} = \frac{AM}{MC} \Rightarrow DM \cdot MC = AM \cdot MB$$

(הקדמה) $\angle A_1 = \angle B$
 (הקדמה) $\angle A_1 = \angle C$
 (הקדמה)

ΔABC

הקדמה



10

$$10^2 = 12^2 - 2 \cdot 12 \cdot 6 \cdot \alpha$$

$$6 \cdot \alpha = 0.6 \rightarrow \sin \alpha = 0.8 \rightarrow 2R = \frac{10}{0.8} \rightarrow R = \frac{25}{4}$$

$S = \frac{abc}{4R}$ (הקדמה) $\alpha = 0.6$ $\rightarrow \sin \alpha = 0.8$ $\rightarrow 2R = \frac{10}{0.8} \rightarrow R = \frac{25}{4}$