



ΔABO - прямоугольный $\Rightarrow$

по т. Пифагора: $AB = \sqrt{9+16} = 5$

$AB = BC = CD = AD$ - т.е. равен

по т. кос:

$$BD^2 = AB^2 + AD^2 - 2AB \cdot AD \cos \alpha \Rightarrow$$

$$36 = 2 \cdot 25 - 2 \cdot 25 \cos \alpha$$

$$50 \cos \alpha = 14$$

$$\cos \alpha = \frac{7}{25}$$

$$\angle A = \angle C = \arccos \frac{7}{25}$$

$$\angle B = \angle D = 180 - \arccos \frac{7}{25}$$

$$\cos \angle ABO = \frac{3}{5}$$

$$\sin \angle ABO = \frac{4}{5}$$

$$\cos \angle BAO = \frac{4}{5}$$

$$\sin \angle BAO = \frac{3}{5}$$

$$AB = \sqrt{9+16} = 5$$

$$\frac{2}{\sqrt{3}} = 3,503$$

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$$\sin(2 \cdot \angle BAO) = 2 \sin \angle BAO \cdot \cos \angle BAO =$$

$$\angle B = \angle D = 2 \angle ABO$$

$$\angle A = \angle C = 2 \angle BAO$$

