



$$\angle AOC = 120^\circ$$

Complementary angle =  $240^\circ$

$$\text{So, } \frac{240}{360} \times C = 24$$

Where  $C$  = Circumference

$$\Rightarrow C = 36$$

$$\Rightarrow 2\pi r = \pi d = 36$$

$$d = \frac{36}{3.14} \cong 11.46$$