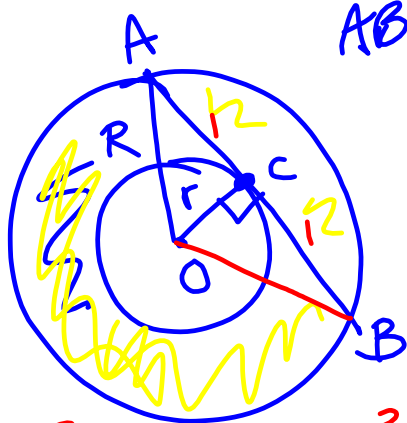


$$A=6$$

$$A = 12r^2 \sin \frac{180}{12} \cos \frac{180}{12}$$



$$AB=2$$

$$R^2 = r^2 + 1^2$$

$$R^2 - r^2 = 1$$

$$\pi R^2 - \pi r^2$$

$$= \pi (R^2 - r^2)$$

$$= \pi \cdot 1$$