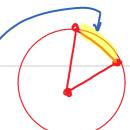
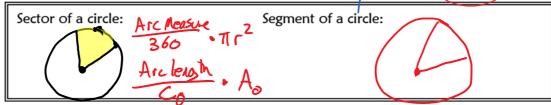
........

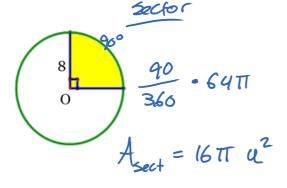
11.0 - FIREFIS OF SECTORS

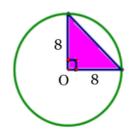


Draw a Picture



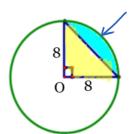
- 1. Find the area of the shaded region.
- 2. Find the area of the triangle.





$$A_{\Delta} = \frac{1}{2}(8)(8)$$
= 32 u^2

3. Put it together: Find the area bounded by the segment



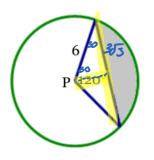
4. Find the area of the segment (the area of the shaded region).

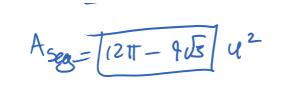
$$A_{\text{sect}} = \frac{1}{3} (36\pi)$$

$$= 12\pi \pi u^{2}$$

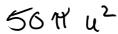
$$A_{\Delta} = \frac{1}{2} (603)(3)$$

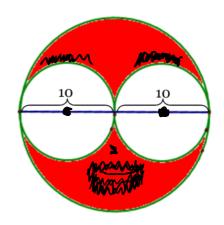
$$= 9\sqrt{3} u^{2}$$



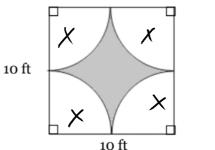


5. Find the area of the shaded region.





6. Find the area of the shaded region.



7. Find the area of the shaded region.



