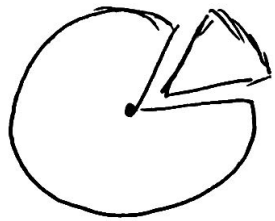


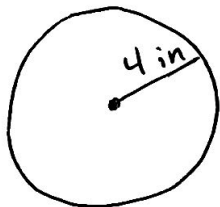
11.3 Area of a Sector

Sector is a part of a circle

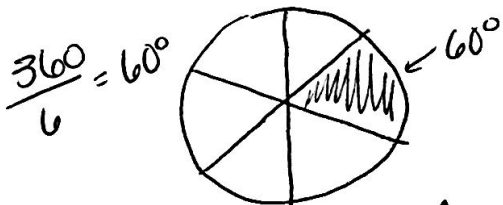


Area of a Circle

$$A = \pi r^2$$



$$A = \pi (4)^2 \\ = 3.14 (4)^2 = \boxed{50.24 \text{ in}^2}$$



Area of a sector

$$A = \pi r^2 \left(\frac{\text{angle}}{360^\circ} \right)$$

$$A = \pi (4)^2 \left(\frac{60^\circ}{360^\circ} \right)$$

$$= \boxed{8.37 \text{ in}^2}$$

↑
the part
of the circle



$$A = \pi (3)^2 \left(\frac{120}{360} \right)$$

$$= \boxed{9.42 \text{ m}^2}$$

Bonus: Find a Sector around the house (Not: pizza, pie, cheese, & do not create the shape)

Assignment: do the practice assignment on sector