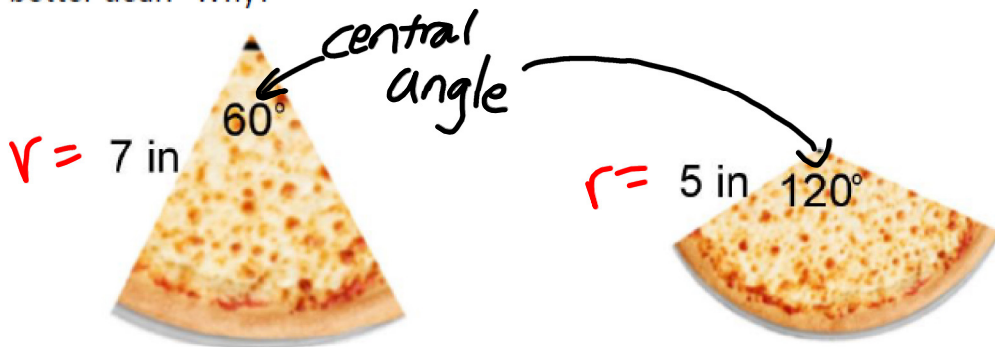


Sector Area $\frac{\text{Central } \angle}{360} \cdot \pi r^2$

Example:

- Suppose the slices of pizza below have the same price. Which piece of pizza is the better deal? Why?



$$\frac{\cancel{60}}{\cancel{360}} \cdot \pi (7)^2$$

Exact

$$\frac{49 \pi \text{ in}^2}{6}$$

Rounded

$$25.7 \text{ in}^2$$

$$\frac{\cancel{120}}{\cancel{360}} \cdot \pi (5)^2$$

Exact

$$\frac{25 \pi \text{ in}^2}{3}$$

Rounded

$$26.2 \text{ in}^2$$

✓