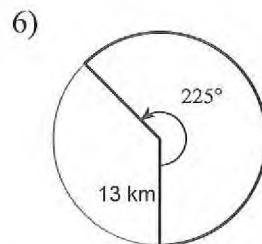
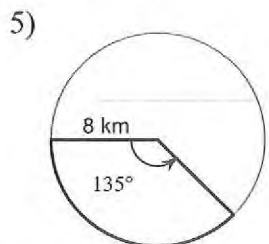
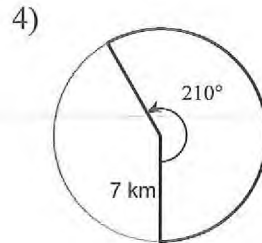
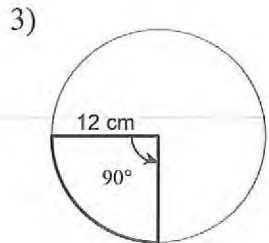
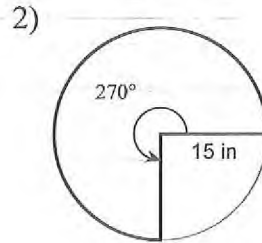
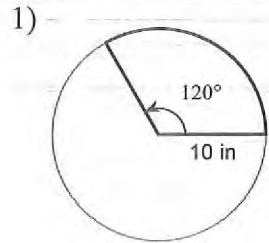
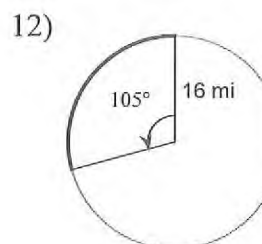
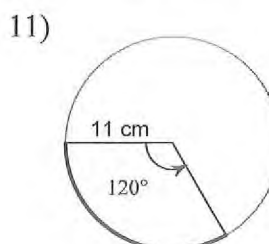
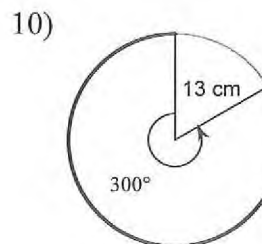
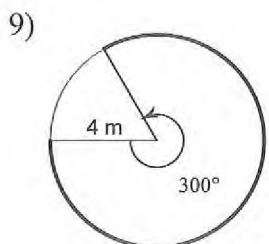
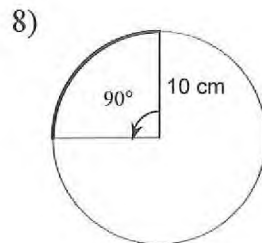
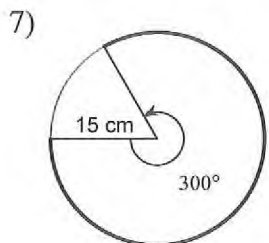


### Arc Length & Area of a Sector

Find the area of each sector. Round your answers to the nearest tenth.

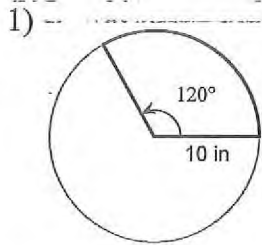


Find the length of each arc. Round your answers to the nearest tenth.



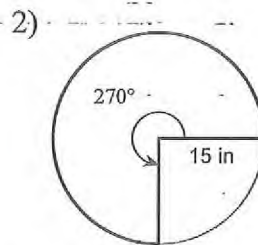
## Arc Length &amp; Area of a Sector

Find the area of each sector. Round your answers to the nearest tenth.



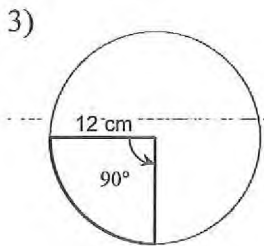
$$\frac{120}{360} \cdot \pi \cdot 10^2$$

$$104.7 \text{ in}^2$$



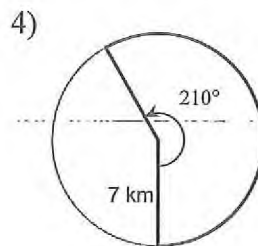
$$\frac{270}{360} \cdot \pi \cdot 15^2$$

$$530.1 \text{ in}^2$$



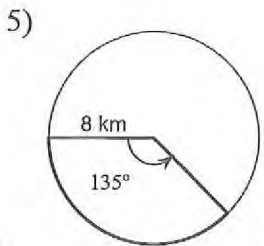
$$\frac{90}{360} \cdot \pi \cdot 12^2$$

$$113.1 \text{ cm}^2$$



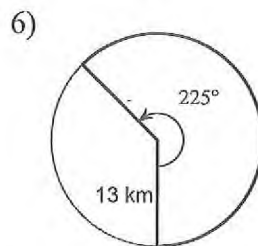
$$\frac{210}{360} \cdot \pi \cdot 7^2$$

$$89.8 \text{ km}^2$$



$$\frac{135}{360} \cdot \pi \cdot 8^2$$

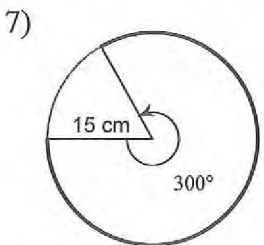
$$75.4 \text{ km}^2$$



$$\frac{225}{360} \cdot \pi \cdot 13^2$$

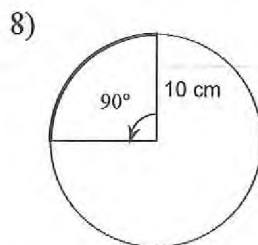
$$331.8 \text{ km}^2$$

Find the length of each arc. Round your answers to the nearest tenth.



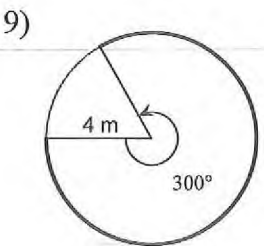
$$\frac{300}{360} \cdot 2 \cdot \pi \cdot 15$$

$$78.5 \text{ cm}$$



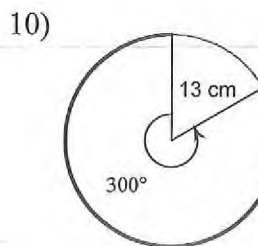
$$\frac{90}{360} \cdot 2 \cdot \pi \cdot 10$$

$$15.7 \text{ cm}$$



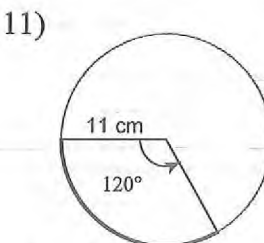
$$\frac{300}{360} \cdot 2 \cdot \pi \cdot 4$$

$$20.9 \text{ m}$$



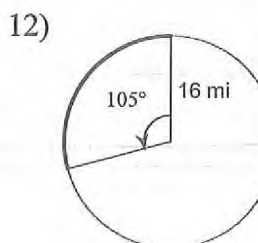
$$\frac{300}{360} \cdot 2 \cdot \pi \cdot 13$$

$$68.1 \text{ cm}$$



$$\frac{120}{360} \cdot 2 \cdot \pi \cdot 11$$

$$23.0 \text{ cm}$$



$$\frac{105}{360} \cdot 2 \cdot \pi \cdot 16$$

$$29.3 \text{ mi}$$