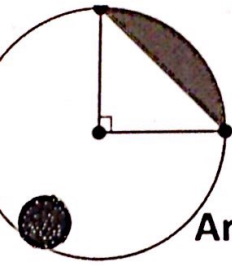
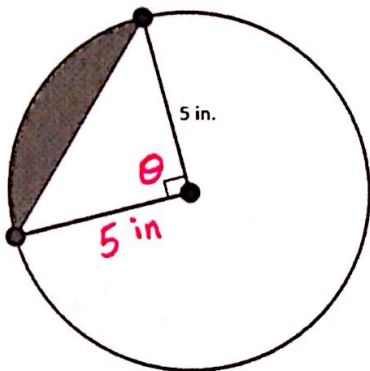


Areas of Segments of Circles



Area of the Segment = Area of the sector – Area of the triangle

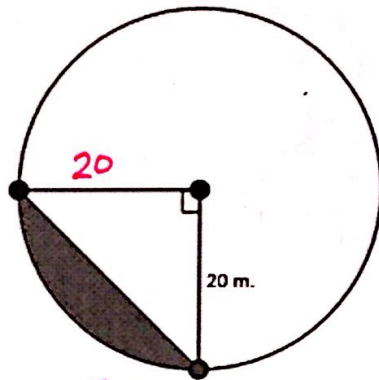
$$= \frac{\pi r^2 \theta}{360} - \frac{1}{2} b \cdot h$$



$$= \frac{\pi 5^2 (90)}{360} - \frac{1}{2} (5)(5)$$

$$= \frac{25\pi}{4} - 12.5$$

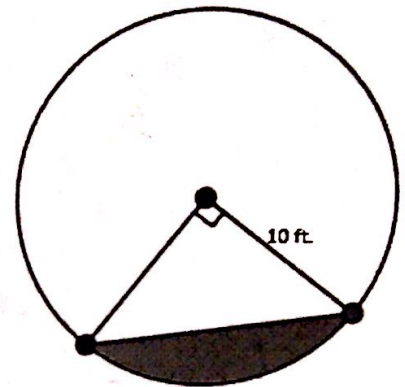
$$= 7.1 \text{ in}^2$$



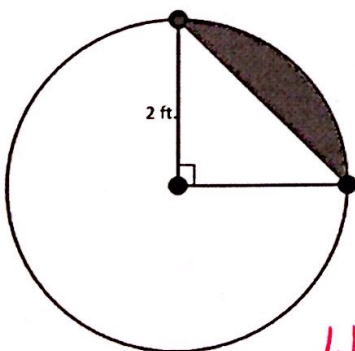
$$= \frac{\pi 20^2 (90)}{360} - \frac{1}{2} (20)(20)$$

$$= 100\pi - 200$$

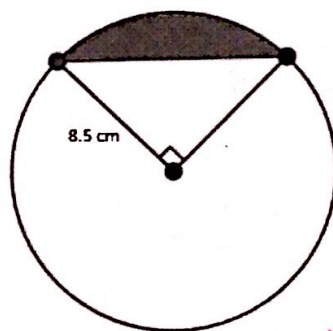
$$= 114.2 \text{ m}^2$$



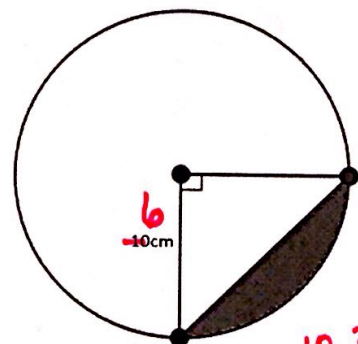
28.5



1.1



20.6



10.3