Arc Length and Sector Area

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

$(\pi = 3.14)$

1) $r = 28$ cm, $\theta = 45\circ$
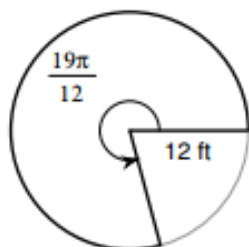
3) $r = 22$ ft, $\theta = 60\circ$
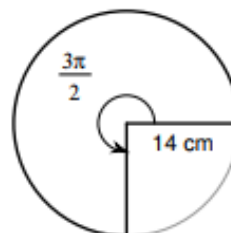
2) $r = 15$ ft, $\theta = 95\circ$

4) $r = 12\,m$, $\theta = 85\circ$

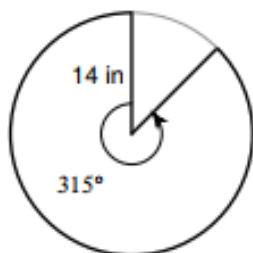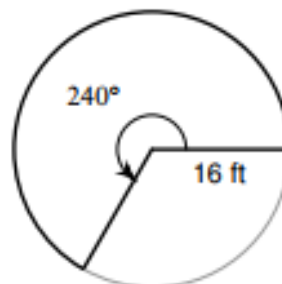✎ ***Find area of each sector. Do not round. Round your answers to the nearest tenth.*** $(\pi = 3.14)$

5)

7)

6)

8)

EffortlessMath

Answers

Arc Length and Sector Area

1) $22\ cm$

2) $24.9\ ft$

3) $23\ ft$

4) $17.8\ m$

5) $358\ ft^2$

6) $538.5\ in^2$

7) $461.6\ cm^2$

8) $535.9\ ft^2$