Name: _____
Date: _____

Arc length and Sector Area

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

(π = 3.14)

1) $r = 28$ cm, $\theta = 45°$

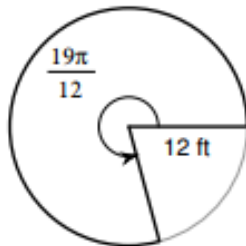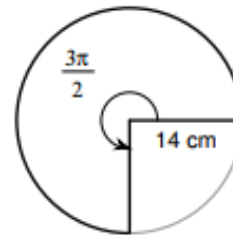3) $r = 22$ ft, $\theta = 60°$

2) $r = 15$ ft, $\theta = 95°$

4) $r = 12\ m$, $\theta = 85°$

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

5)

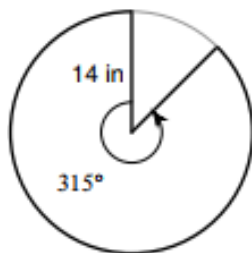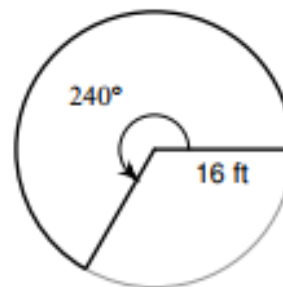$\dfrac{19\pi}{12}$ 12 ft

7)

$\dfrac{3\pi}{2}$ 14 cm

6)

14 in   315°

8)

240°   16 ft

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) $535.9\ ft^2$

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