

Math Worksheets

Arc Length and Sector Area

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

$(\pi = 3.14)$

1) $r = 28 \text{ cm}, \theta = 30^\circ$

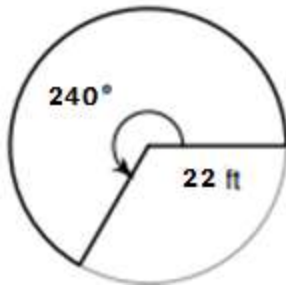
3) $r = 22 \text{ ft}, \theta = 50^\circ$

2) $r = 14 \text{ ft}, \theta = 95^\circ$

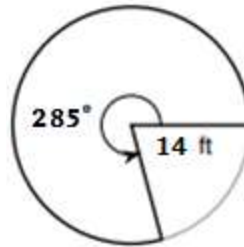
4) $r = 16 \text{ m}, \theta = 85^\circ$

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

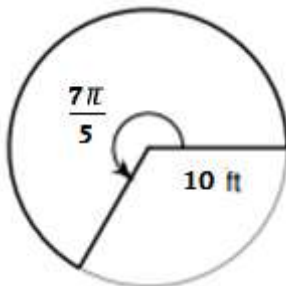
5)



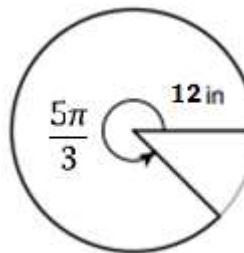
7)



6)



8)



Answers of Worksheets

Arc Length and Sector Area

1) 14.7 cm

2) 23.2 ft

3) 19.2 ft

4) 23.7 m

5) $1,013.7 \text{ ft}^2$

6) 220 in^2

7) 487.5 ft^2

8) 377 in^2