Circles Worksheet 5

1. Given
$$r = 2.0$$
 cm and $\theta = \frac{\pi}{3}$, find s.

6. Given
$$s = 99.2$$
 mm and $r = 87.4$ mm, find θ .

2. Given
$$r = 9.4$$
 mm and $\theta = \frac{\pi}{4}$, find s.

7. Given
$$r = 4.5$$
 in and $\theta = \frac{\pi}{6}$, find the area of the sector.

3. Given
$$s = 20$$
 ft and $\theta = 90^{\circ}$, find r .

8. Given
$$r = 1.25$$
 ft and $\theta = \frac{\pi}{8}$, find the area of the sector.

4. Given
$$s = 10.2$$
 mi and $\theta = 30^{\circ}$, find r .

9. Given
$$A = 19.2$$
 in² and $\theta = \frac{\pi}{4}$, find r .

5. Given
$$s = 43.2$$
 m and $r = 21.4$ m, find θ .

10. Given
$$A = 6.10 \text{mm}^2$$
 and $r = 3.40 \text{ mm}$, find θ .

©2012 Shmoop University, Inc. All rights reserved. For classroom use only. Want to print this out for your classroom? Go for it. All other reproduction and distribution is prohibited.