



Name: _____

Date: _____

Find the area of each sector.

Solve for x. Show your work.

1. $\theta = \pi/2$ rad, $r = 12$

2. $\theta = \pi/4$ rad, $r = 13$

3. $\theta = \pi/4$ rad, $r = 10$

4. $\theta = \pi/3$ rad, $r = 10$

5. $\theta = \pi/4$ rad, $r = 11$

6. $\theta = \pi/6$ rad, $r = 13$

7. $\theta = \pi/6$ rad, $r = 11$

8. $\theta = \pi/3$ rad, $r = 12$



Find the area of each sector. – Answer Key

1. $\theta = \pi/2$ rad, $r = 12$

113.10

2. $\theta = \pi/4$ rad, $r = 13$

66.37

3. $\theta = \pi/4$ rad, $r = 10$

39.27

4. $\theta = \pi/3$ rad, $r = 10$

52.36

5. $\theta = \pi/4$ rad, $r = 11$

47.52

6. $\theta = \pi/6$ rad, $r = 13$

44.24

7. $\theta = \pi/6$ rad, $r = 11$

31.68

8. $\theta = \pi/3$ rad, $r = 12$

75.40