



Name: _____

Date: _____

Find the arc length of each circle using degrees.

Solve for x . Show your work.

1. $\theta = 78^\circ$, $r = 9$

2. $\theta = 141^\circ$, $r = 15$

3. $\theta = 120^\circ$, $r = 12$

4. $\theta = 142^\circ$, $r = 10$

5. $\theta = 76^\circ$, $r = 9$

6. $\theta = 126^\circ$, $r = 8$

7. $\theta = 144^\circ$, $r = 10$

8. $\theta = 117^\circ$, $r = 15$



Find the arc length of each circle using degrees. – Answer Key

1. $\theta = 78^\circ$, $r = 9$
12.25

2. $\theta = 141^\circ$, $r = 15$
36.91

3. $\theta = 120^\circ$, $r = 12$
25.13

4. $\theta = 142^\circ$, $r = 10$
24.78

5. $\theta = 76^\circ$, $r = 9$
11.94

6. $\theta = 126^\circ$, $r = 8$
17.59

7. $\theta = 144^\circ$, $r = 10$
25.13

8. $\theta = 117^\circ$, $r = 15$
30.63