

Circle worksheet #2

Accelerated

Name _____

Solve each problem below. Use 3.14 for pi and be sure to show which formula(s) you will use and all of your work.

You may use a calculator for all of the problems.

Circle Worksheet

1The wheel of a truck has a radius of 90 cm. How far has the truck traveled(in meters) when the wheel has rotated 100 times?

2A lighthouse beam makes a circle that reaches 18 miles from the lighthouse. Find the area that is lit by the lighthouse beam to the nearest square mile.

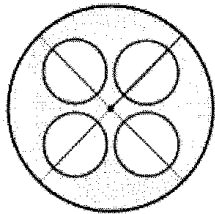
3A circle has a circumference of 43.96 cm. What is the area of the circle?

4The area of a circle is 90 cm^2 . Find the radius of the circle.

5A sprinkler can spray water 10 feet out in all directions. How much area can the sprinkler water?

6 The surface of a table consists of a square of 1 m per side and two semicircles attached on either opposite end. Calculate the area of the table.

7 Calculate the shaded area of the figure below if the radius of the larger circle is 6 cm and the radius of the smaller circles are 2 cm.



8 What is the area of a half circle whose diameter is 8 m?

9 Calculate the area of the shaded region if the circle has a circumference of 18.84 cm and the square has a side length of 5 cm.

