| 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

1 The 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?

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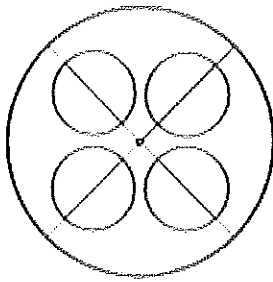
3 A circle has a circumference of 43.96 cm. What is the area of the circle?

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

5 A 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 square inscribed in a circle with a circumference of 18.84 cm.

10 The circumference of Earth at the Equator is about 24,900 miles. Find the diameter and radius of Earth to the nearest mile. Explain how you found your answers.