

Name \_\_\_\_\_

Hour \_\_\_\_\_

Date \_\_\_\_\_

*Circle Vocabulary Review*

Write the formula for circumference given the diameter: \_\_\_\_\_

Write the formula for circumference given the radius: \_\_\_\_\_

Write the formula for the area of a circle: \_\_\_\_\_

Name the type of units used for area: \_\_\_\_\_

Name the type of units used for circumference: \_\_\_\_\_

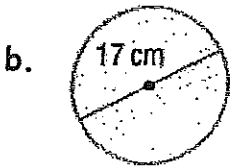
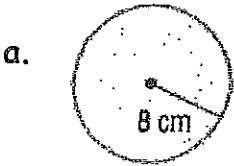
How do you find the radius when only given the circumference? \_\_\_\_\_

What is the relationship from radius to diameter? \_\_\_\_\_

What is the relationship from diameter to radius? \_\_\_\_\_

**Area of Circle Practice**

Find the area of each circle in a full answer and also in terms of pi.



The sprinkler sprays water with a radius of 40'.  
 What is the area of lawn that the sprinkler will cover?  
 Formula: \_\_\_\_\_ Answer: \_\_\_\_\_

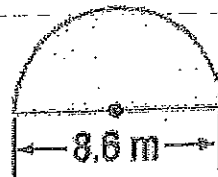


The diameter of the Wisconsin quarter is 24 mm.  
 What is the area of the quarter?  
 Formula: \_\_\_\_\_ Answer \_\_\_\_\_



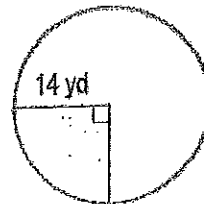
The partial circle is called a \_\_\_\_\_ circle. It is \_\_\_\_\_ of a full circle.

Find the area.



The shaded section of the circle is what fraction of the full circle? \_\_\_\_\_

Find the area of the shaded section.



Pizza Night! You call your favorite pizzeria, DeLorenzo's, to order a pizza. They like to play math games with their customers so they present you with two options:

Option A: 2-topping pizza with a radius of 10" for \$13.95

Option B: 2-topping pizza with a circumference of 72" for \$13.95.

Which is the better buy? Why?

Formula:

Answer:

