

# Circles...pre-test 2:

Name:

Date:

a. If the radius of a circle is 9 cm, what is the circumference and area?

b. If the area of a circle is  $153.86 \text{ m}^2$ , what is the radius and diameter?

c. If the circumference of a circle is 47.1 mm, what is the radius and diameter?

d. If a circle has a diameter of 4 meters, a second circle's diameter is 8 meters, a third circle's diameter is 16 meters, and a fourth circle's diameter is 32 meters. Is there a pattern when comparing the circumference and area of each? Solve for each using the space below then fill them into the following table to compare them.

Diameter	Circumference	Area
4 meters		
8 meters		
16 meters		
32 meters		

e. If the circumference of a circle is 56.52 meters, what is this circle's area?

