

Name: _____ / _____

Date: _____

A#55 Circumference or Area? (1-7) All

Read each problem below and determine whether it is asking you to find the **AREA** or **Circumference** of the circular item described. **Explain** your reasoning.

You **DO NOT** need to do any calculations. (This is like what we did on TB p19 in class.)

A local man-made pond is a perfect circle. There is a path around the pond and a raised boardwalk that crosses the pond through the middle.

- 1) Kelly likes to walk her dog on the path after work. If you were to calculate the distance she walks in one lap, what would you be calculating?

- 2) City workers want to cover the pond over the winter months to prevent the pond from freezing. What is needed so they buy the right size cover?

- 3) What is the length of the boardwalk called as it relates to the shape? (Think about parts of a circle)

Giovanni's Pizzeria has the best pie in town. They only make circular pizzas. Their stuffed-crust only occurs around the outside edge of the circle (not underneath the cheese and toppings).

- 4) You order your favorite pizza with extra sauce. What are you finding if you are covering the entire pizza with sauce?

- 5) As the pizza is being cut in half, what exactly is the pizza slicer tracing? (Think about parts of a circle)

- 6) What are you calculating if you want to know how many inches there are of stuffed crust on the Big Kahuna?

7) LABEL THE PARTS OF THE CIRCLE.

