

Name \_\_\_\_\_

## Investigation of Pi

**Item:** \_\_\_\_\_

Student's Name	Circumference of the Circle (rounded to the nearest cm)	Diameter of the Circle (rounded to the nearest cm)	$\frac{\text{circumference}}{\text{diameter}}$ (round your answer to the nearest hundredth)

1. Find the mean ("average") of your fourth column in the table. What did you get? \_\_\_\_\_

2. How close is your mean to 3.14? \_\_\_\_\_

a. Do you consider this to be fairly close? \_\_\_\_\_

b. If your answer is not close to 3.14, explain why this may have happened. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. What observation(s) can you make about the circumference of a circle in relationship to the diameter of a circle?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Complete the following sentences:

a. The circumference of a circle is about \_\_\_\_\_ times greater than the \_\_\_\_\_ of a circle.

*Pi*

can be approximated to \_\_\_\_\_.

*Pi*

is the ratio \_\_\_\_\_: \_\_\_\_\_. This can also mean \_\_\_\_\_ divided by \_\_\_\_\_.