Explain: How important is a decimal place?

Name _____ Period _____
Date _____

Use your experiment and data to answer the following questions in complete sentences.

1. Which part of a circle were you calculating (which formula did you use)?

_____
_____

2. What was your calculated value when the real pi was used in trial one?

_____
_____

3. What happened to this value when pi was rounded to 3?

_____
_____

4. What happened to this value when pi was approximated to 3.2?

_____
_____

5. Did you see significant differences in the calculations when pi was rounded? Explain.

_____
_____

6. Pi is commonly rounded to 3.14. Does this significantly affect the calculations? Use examples to answer this question.

_____
_____

7. When do you think it is ok to round pi? How much should pi be rounded? Explain your answer with supporting information.

_____
_____
_____