Extra Credit – Class 3

DUE FRIDAY 3/16/18

In celebration of Pi Day, use the below pie to answer the following questions.

Diameter = 12 inches

1. What is the distance around the pie? Use 3.14 for π.

2. What is the number of square inches of crust needed to completely cover the top of the pie? Use 3.14 for π.

3. You invited two friends over and the three of you ate 3/4 of the pie. How many square inches of crust would be needed to cover the remaining pie?

4. What is the ratio of the pie's circumference to its diameter? (Hint: C/d = ?)

5. **True / False:** The ratio of a circle's circumference to its diameter will change as the diameter of the circle increases or decreases. (Hint: Think about your answer to #4) Explain your answer.