Homework 20 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Graph the function
2. Solve the exponential equation
3. Suppose that a student has 500 vocabulary words to learn. If the student learns 15 words after 5 minutes, the function approximates the number of words that the student will learn after minutes.
4. How many words will the student learn after 30 minutes?
5. How many words will the student learn after 60 minutes?
6. Assuming the model is accurate (is it? we don’t know!) what would you conclude about study habits?