Algebra 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exponential and Logarithms Additional Practice Date \_\_\_\_\_\_\_\_\_\_ Per. \_\_\_\_\_

Show all five representations of the following real-world functions. Then identify if the function is linear or exponential, x- and y- intercepts, and end behavior.

1. Kara has $18. She’s playing a game that cost 50 cents per game.
2. Written Description:
3. Draw Tiles:
4. Make a Table:
5. Draw a graph:
6. Write the function:
7. Linear or exponential?
8. What are the x- and y- intercepts? What do they mean in the context of this problem?
9. Describe the end-behavior of this function.
10. Ten bacteria were placed in a container and the number of bacteria doubled every hour.
11. Written Description:
12. Draw Tiles:
13. Make a Table:
14. Draw a graph:
15. Write the function:
16. Linear or exponential?
17. What are the x- and y- intercepts? What do they mean in the context of this problem?
18. Describe the end-behavior of this function.