**Algebra I Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Graphing Exponential Functions Practice (R) Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period \_\_\_\_\_\_**

Simplify: 1)  2) 

**Exponential Function**: 

Exponential Growth Exponential Decay

  

**Determine whether these exponential functions represent growth or decay. Explain how you know.**

1. \_\_\_\_\_\_\_\_\_\_\_ 2.  \_\_\_\_\_\_\_\_\_\_ 3.  \_\_\_\_\_\_\_\_\_\_

4.  \_\_\_\_\_\_\_\_\_\_\_\_ 5.  \_\_\_\_\_\_\_\_\_\_ 6.  \_\_\_\_\_\_\_\_\_\_\_\_

7.  \_\_\_\_\_\_\_\_\_ 8.  \_\_\_\_\_\_\_\_ 9. \_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **x** | **y** |
|  |  |

**Graph the following equations and the Characteristics:**

|  |  |
| --- | --- |
| **x** | **y** |
|  |  |

10.  11. 

Growth or Decay? Growth or Decay?

Asymptote: Asymptote:

Domain: Domain:

Y. Intercept: Y Intercept: