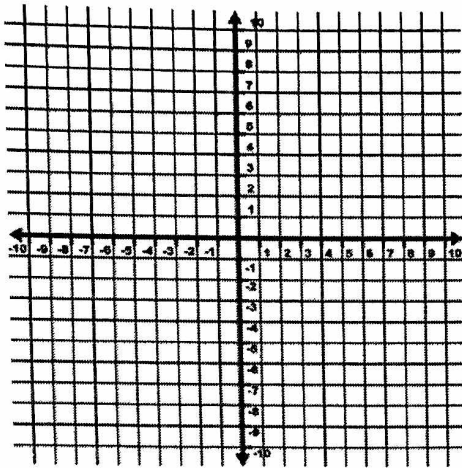


# AA PREP: GRAPHING EXPONENTIAL FUNCTIONS WITH TRANSFORMATIONS—WORKSHEET #1

Graph the exponential parent function. Then, graph each of the following exponential functions using transformations. State domain and range.

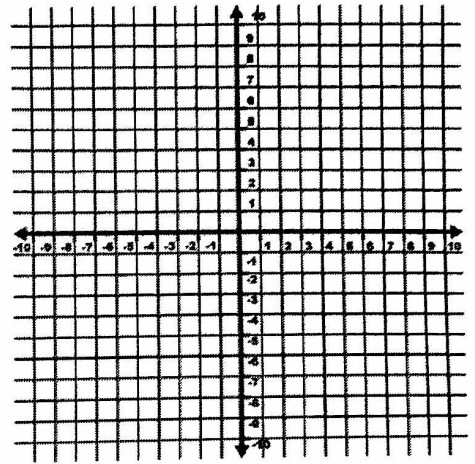
1.  $y = 2^x$



Domain: \_\_\_\_\_

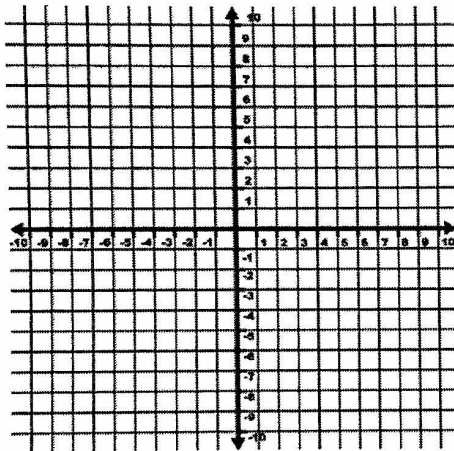
Range: \_\_\_\_\_

2.  $f(x) = 2^{-x}$



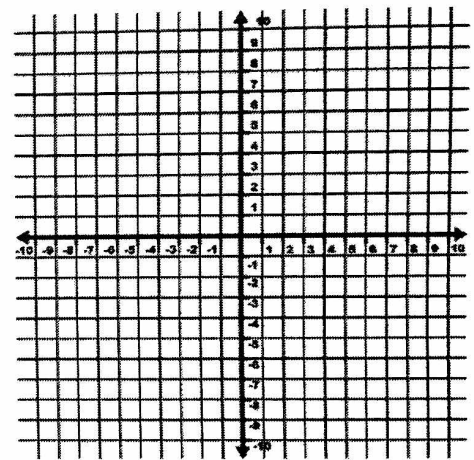
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

3.  $g(x) = 3 \cdot 2^x$



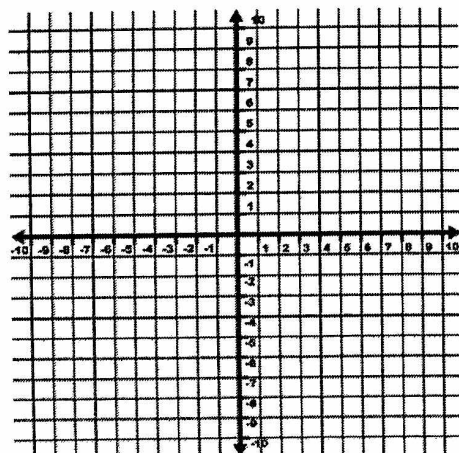
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

4.  $f(x) = 2^{x+3}$



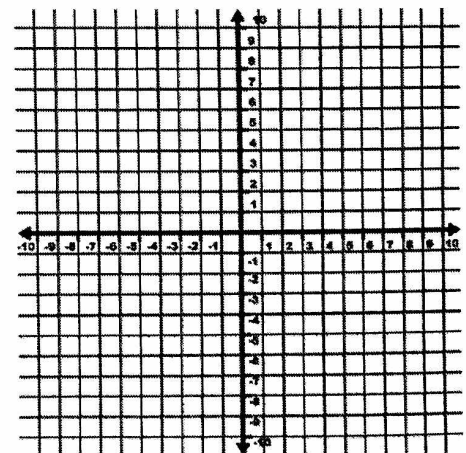
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

5.  $y = -2^x$



Domain: \_\_\_\_\_ Range: \_\_\_\_\_

6.  $g(x) = 2^x - 3$



Domain: \_\_\_\_\_ Range: \_\_\_\_\_