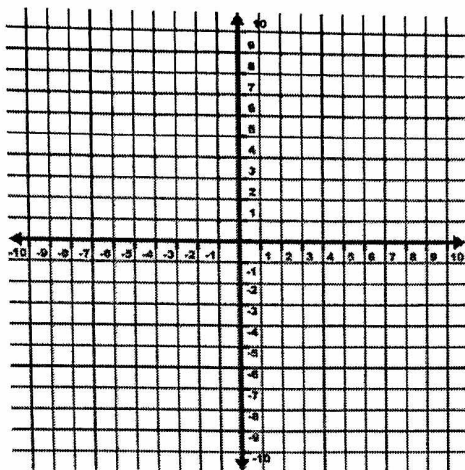


# AA PREP: GRAPHING EXPONENTIAL FUNCTIONS WITH TRANSFORMATIONS

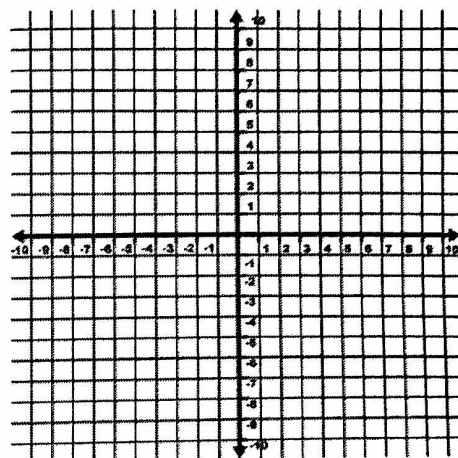
Graph the exponential parent function. Then, graph each of the following exponential functions using transformations. State domain and range.

1.  $y = 2^x$



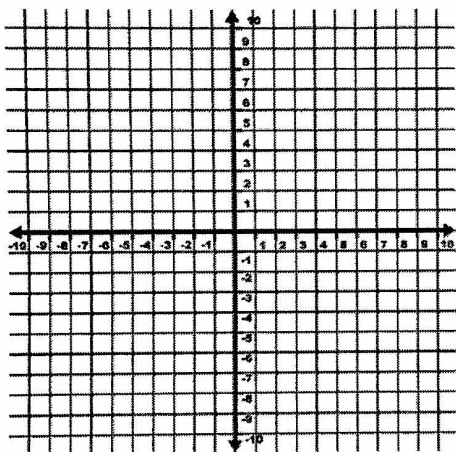
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

2.  $g(x) = \frac{1}{2} \cdot 2^x$



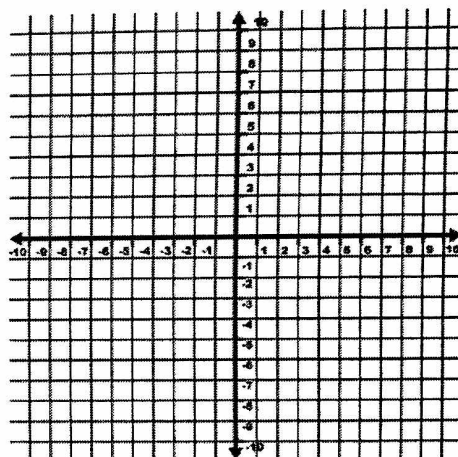
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

3.  $f(x) = 2^{x-1}$



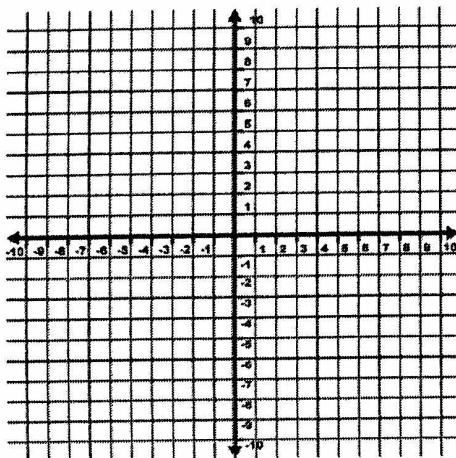
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

4.  $g(x) = 2^x + 1$



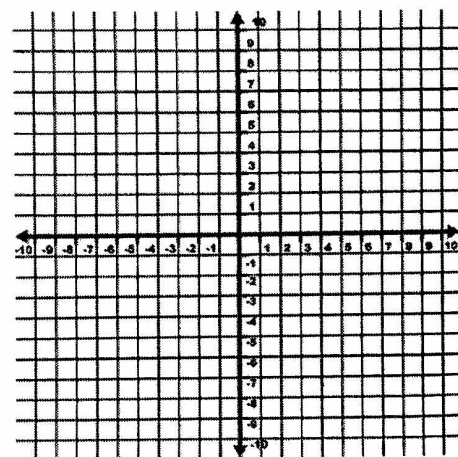
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

5.  $y = -2^x$



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

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



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