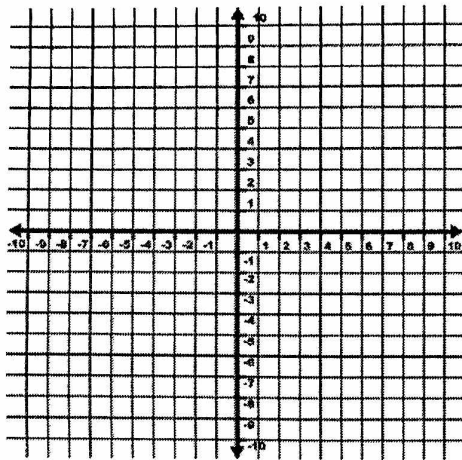


# AA PREP: GRAPHING ABSOLUTE VALUE FUNCTIONS WITH TRANSFORMATIONS—WORKSHEET #1

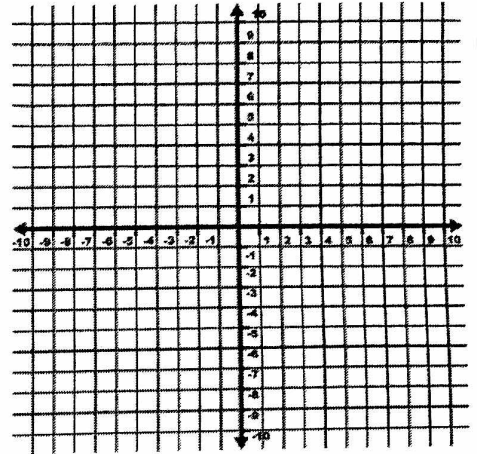
Graph the absolute value parent function. Then, graph each of the following absolute value functions using transformations. State domain and range.

1.  $y = |x|$



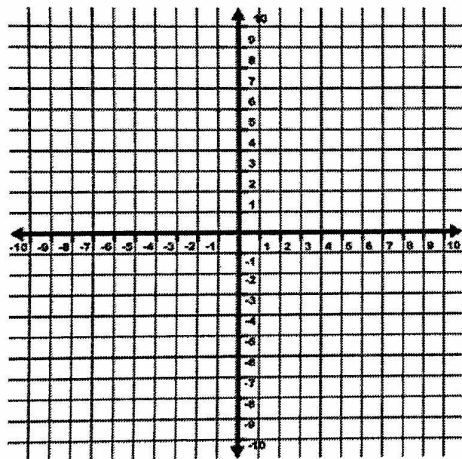
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

2.  $f(x) = |x + 4|$



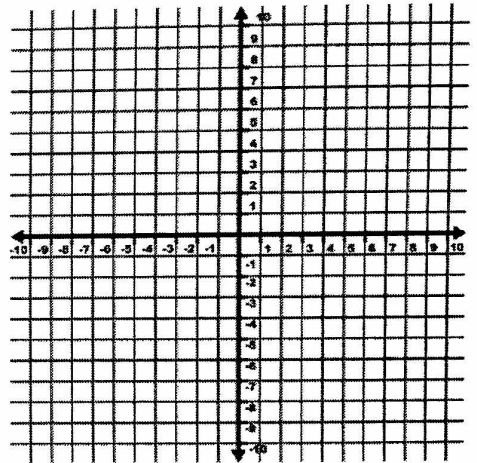
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

3.  $g(x) = 4|x|$



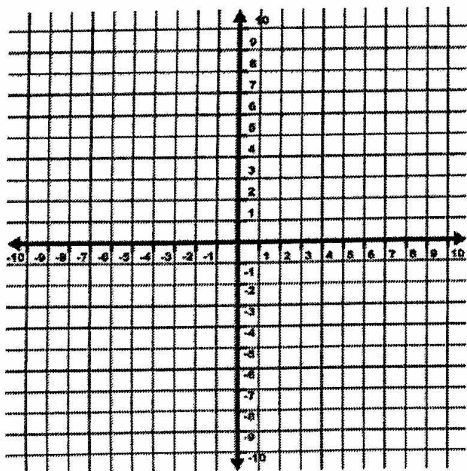
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

4.  $f(x) = -|x|$



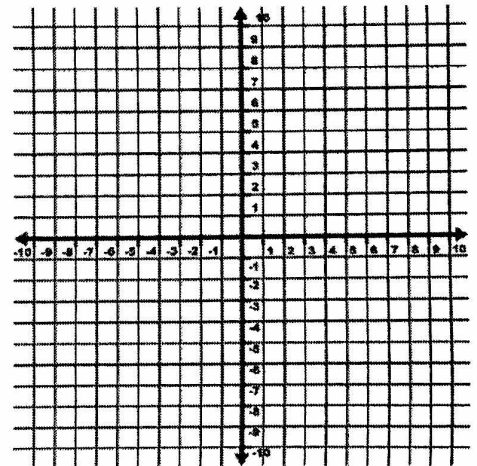
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

5.  $y = \frac{1}{4}|x|$



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

6.  $y = |x| - 4$



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