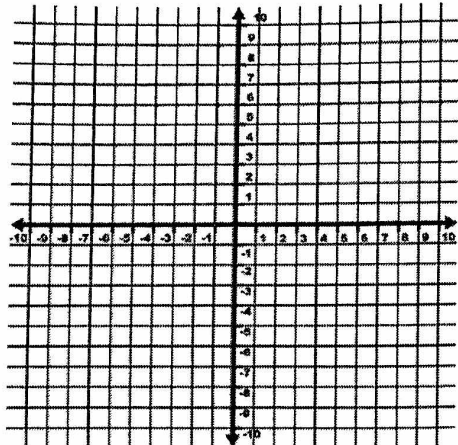


# AA PREP: GRAPHING SQUARE ROOT FUNCTIONS WITH TRANSFORMATIONS—WORKSHEET #1

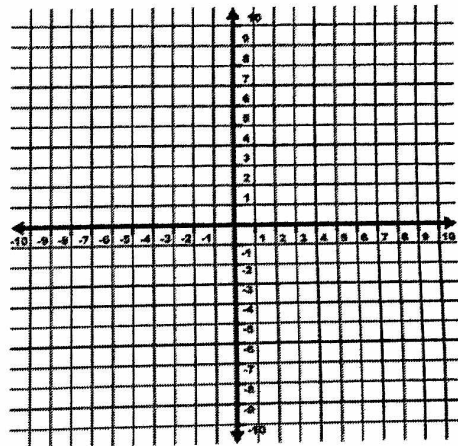
Graph the square root parent function. Then, graph each of the following square root functions using transformations. State domain and range.

1.  $y = \sqrt{x}$



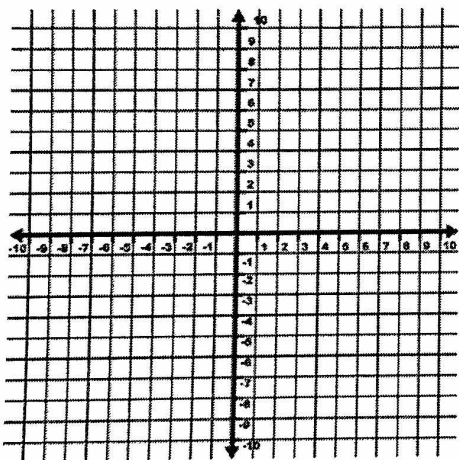
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

2.  $f(x) = 2\sqrt{x}$



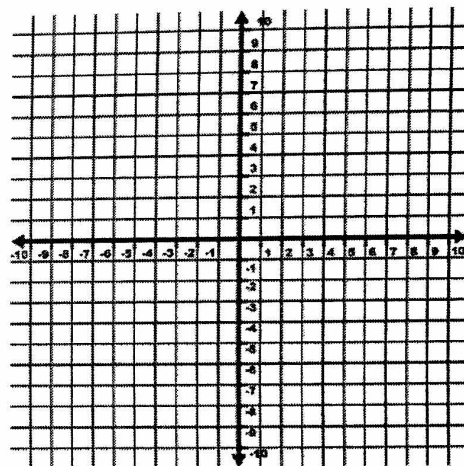
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

3.  $f(x) = \sqrt{x} + 5$



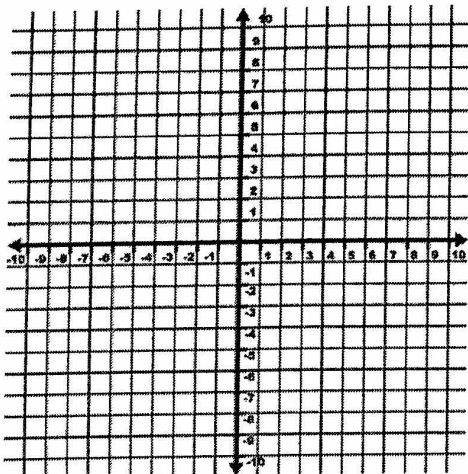
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

4.  $g(x) = -\sqrt{x}$



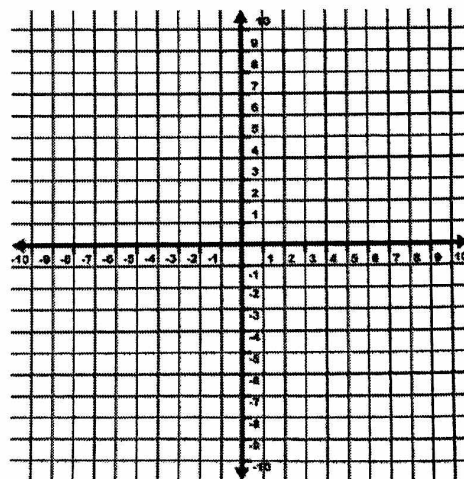
Domain: \_\_\_\_\_ Range: \_\_\_\_\_

5.  $g(x) = \frac{1}{2}\sqrt{x}$



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

6.  $y = \sqrt{x-5}$



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