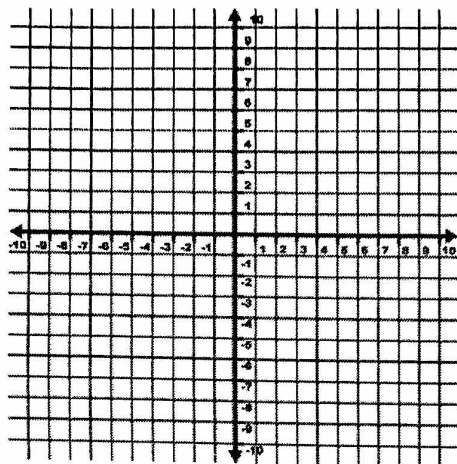


AA PREP: GRAPHING QUADRATIC FUNCTIONS WITH TRANSFORMATIONS—WORKSHEET #1

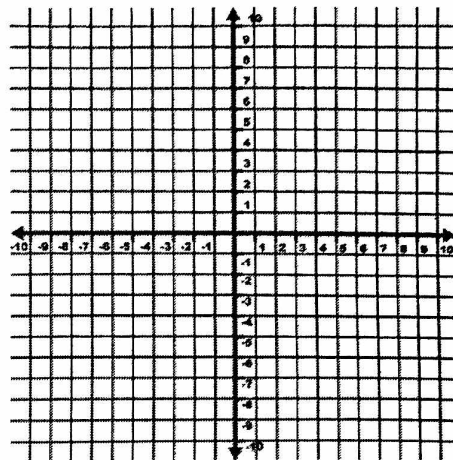
Graph the quadratic parent function. Then, graph each of the following quadratic functions using transformations. State domain and range.

1. $y = x^2$



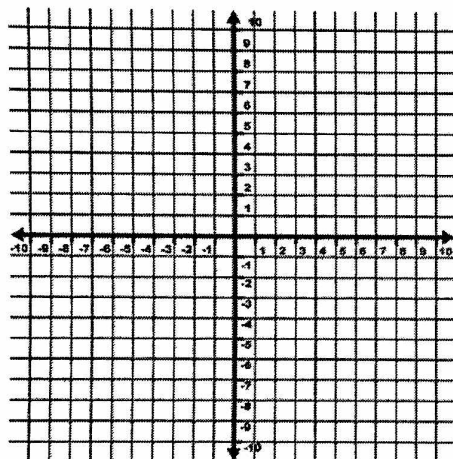
Domain: _____ Range: _____

2. $f(x) = (x - 4)^2$



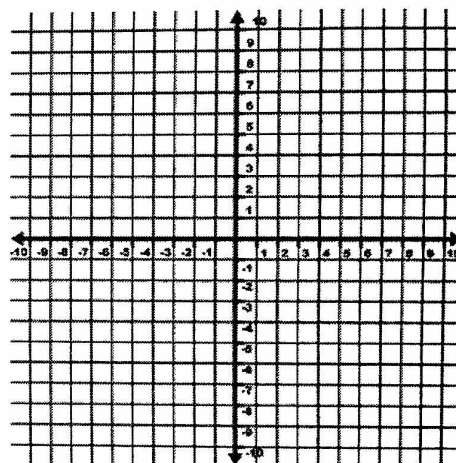
Domain: _____ Range: _____

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



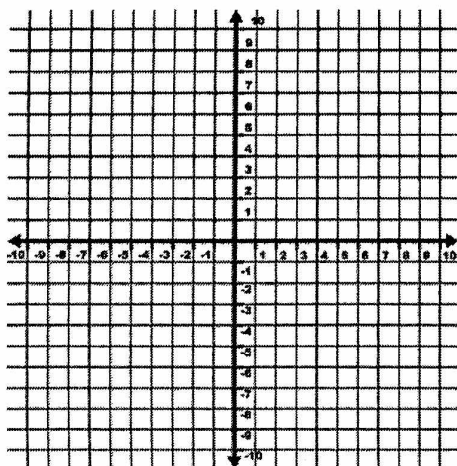
Domain: _____ Range: _____

4. $g(x) = -x^2$



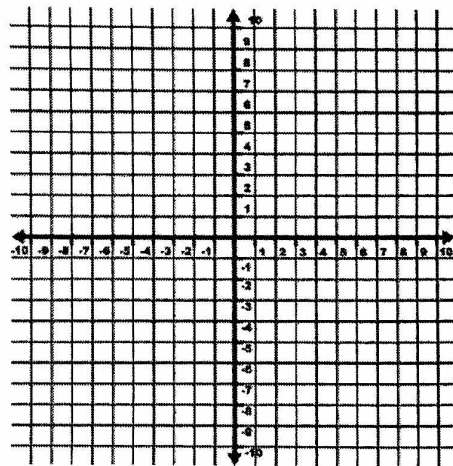
Domain: _____ Range: _____

5. $f(x) = 2x^2$



Domain: _____ Range: _____

6. $y = \frac{1}{2}x^2$



Domain: _____ Range: _____