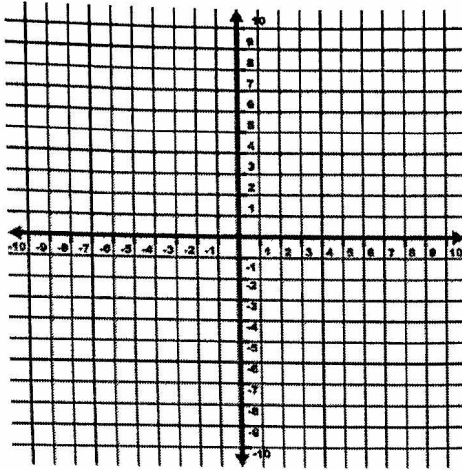


AA PREP: GRAPHING CUBIC FUNCTIONS WITH TRANSFORMATIONS LECTURE

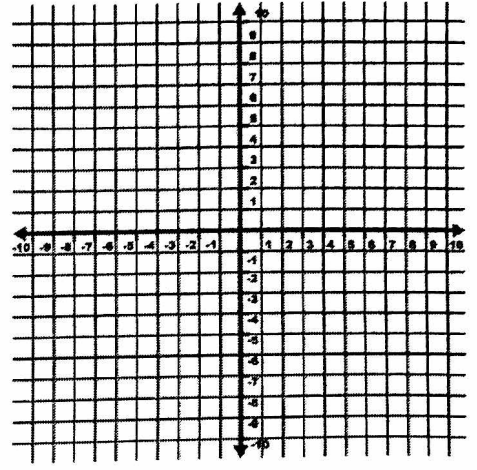
Graph the cubic parent function. Then, graph each of the following cubic functions using transformations. State domain and range.

1. $y = x^3$



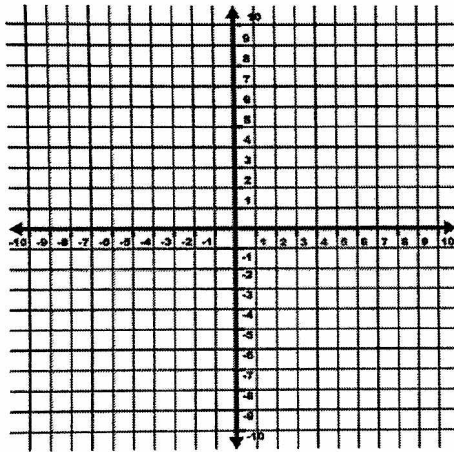
Domain: _____ Range: _____

2. $f(x) = -x^3$



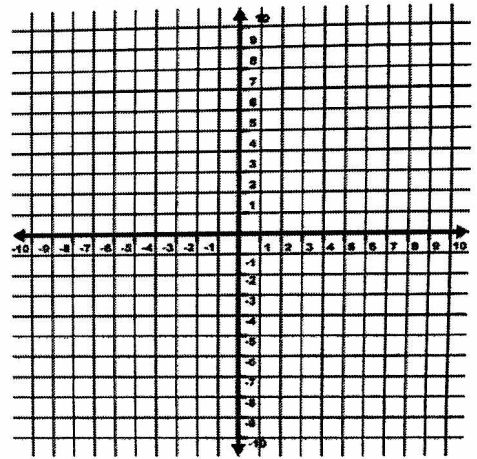
Domain: _____ Range: _____

3. $y = x^3 + 2$



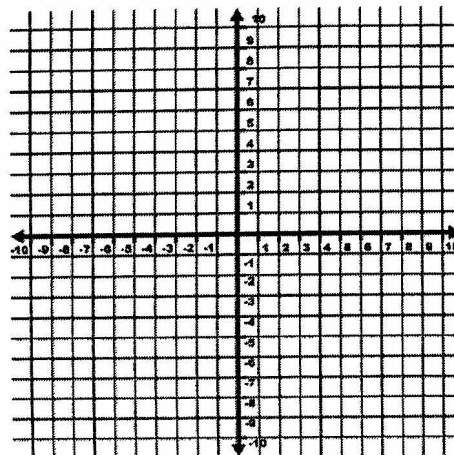
Domain: _____ Range: _____

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



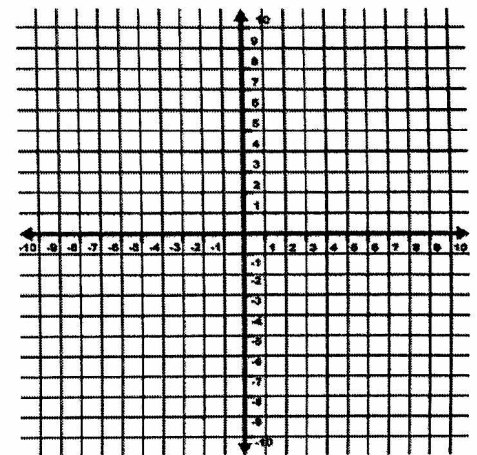
Domain: _____ Range: _____

5. $g(x) = 2x^3$



Domain: _____ Range: _____

6. $y = \frac{1}{2}x^3$



Domain: _____ Range: _____