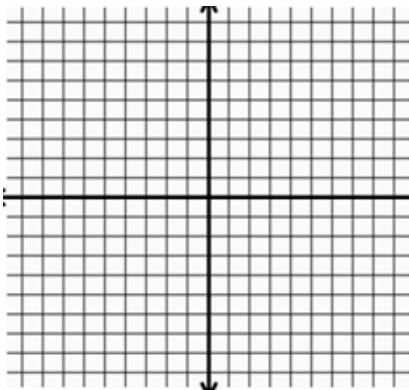


Name: _____ Date: _____ Block: _____

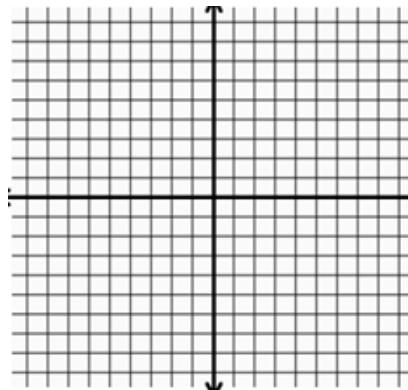
Objective 1: Graph a quadratic function in standard form using the vertex and axis of symmetry.

Graph the quadratic function. Label the vertex and axis of symmetry.

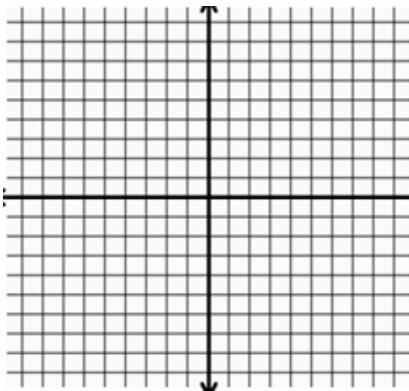
1) $y = x^2 + 2x - 3$



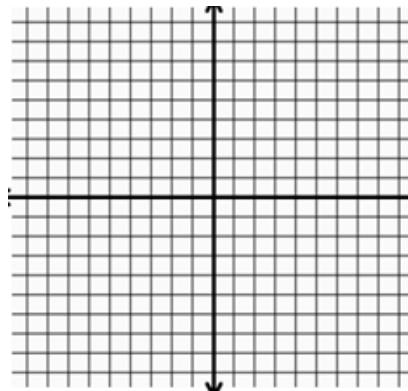
2) $y = \frac{1}{2}x^2 + 4x$



3) $y = -x^2 - 4x + 5$

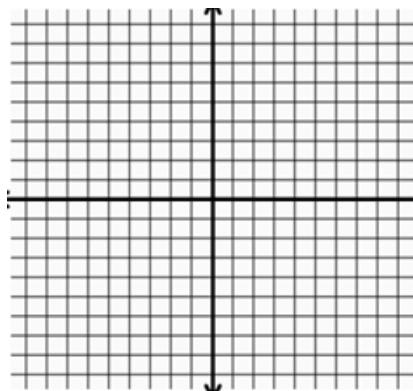


4) $y = -3x^2 + 12x - 8$

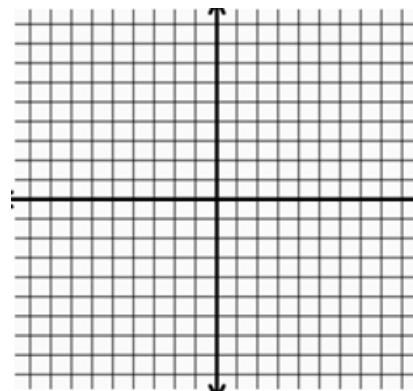


Objective 2: Graph exponential functions using the x-values -1, 0, and 1.

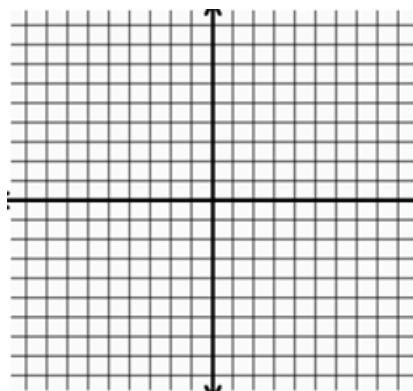
1) $y = 2(3)^x$



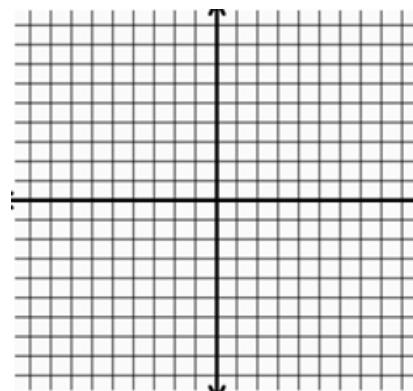
2) $y = -2(4)^x$



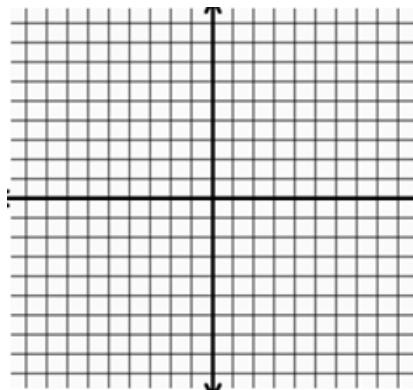
3) $y = 5(2)^x$



4) $y = -2(3)^x$



5) $y = 3\left(\frac{1}{2}\right)^x$



6) $y = -2\left(\frac{1}{5}\right)^x$

