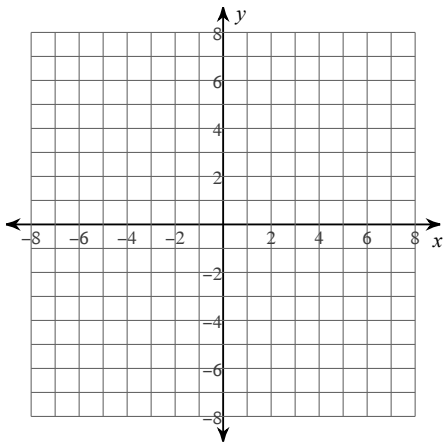


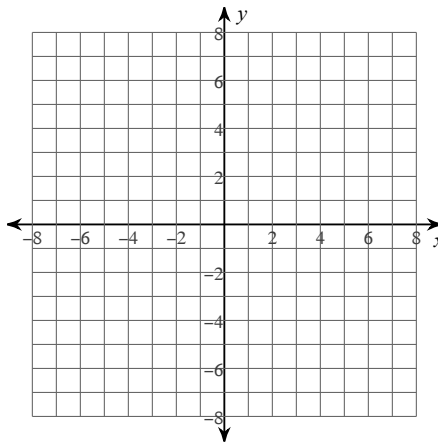
2.2 Exploration

Go to Desmos. With a partner, graph the following quadratic functions and write down/discuss anything you notice about how the equation is related to the graph.

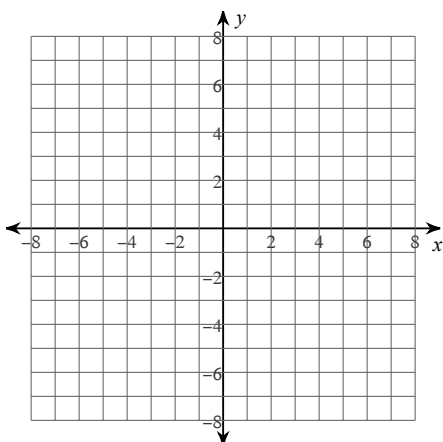
1) $y = x^2 - 2x + 1$



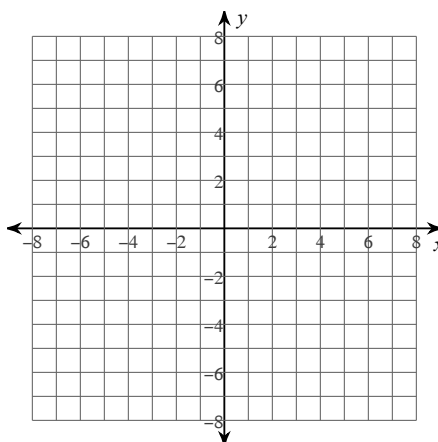
2) $y = -2x^2 + 4x - 5$



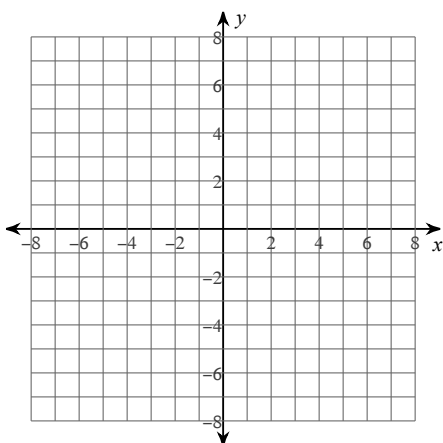
3) $y = -x^2 - 4x - 7$



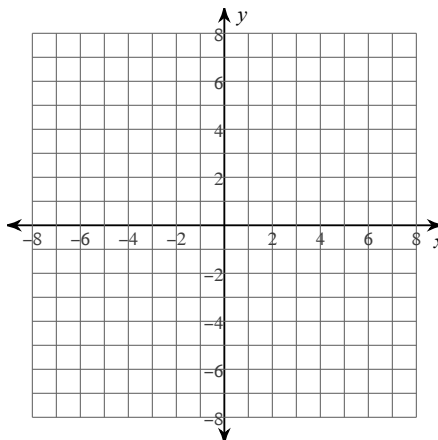
4) $y = 3x^2 + 12x + 7$



5) $y = \frac{1}{3}x^2 - 2x + 8$



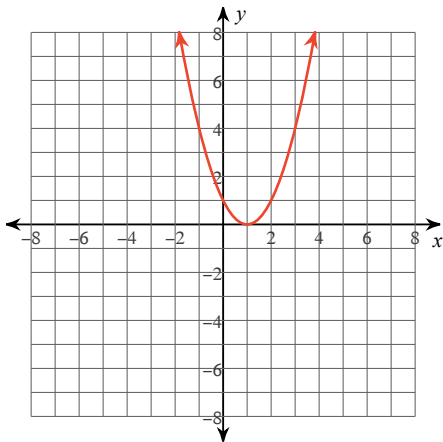
6) $y = -x^2 + 2x - 4$



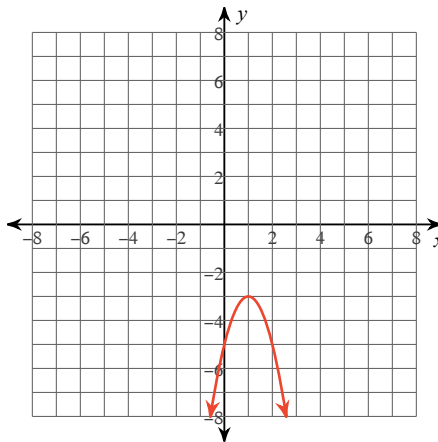
2.2 Exploration

Go to Desmos. With a partner, graph the following quadratic functions and write down/discuss anything you notice about how the equation is related to the graph.

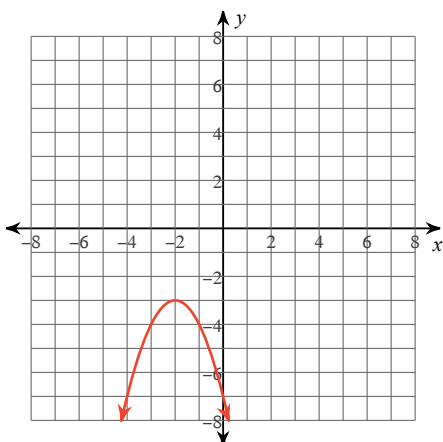
1) $y = x^2 - 2x + 1$



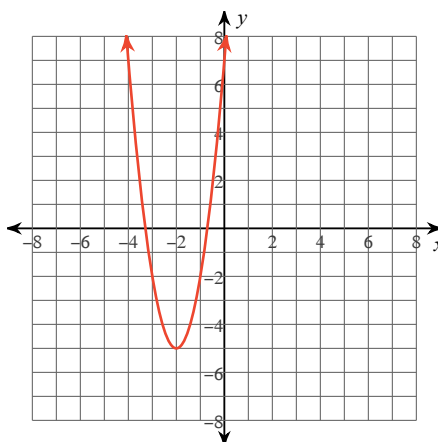
2) $y = -2x^2 + 4x - 5$



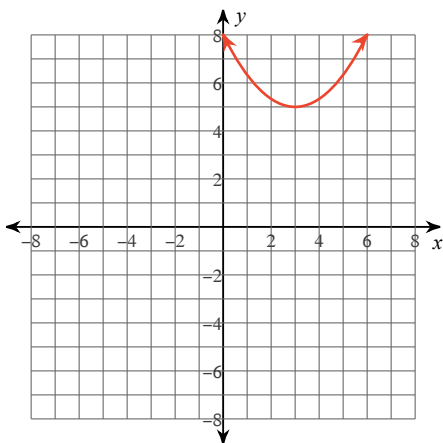
3) $y = -x^2 - 4x - 7$



4) $y = 3x^2 + 12x + 7$



5) $y = \frac{1}{3}x^2 - 2x + 8$



6) $y = -x^2 + 2x - 4$

