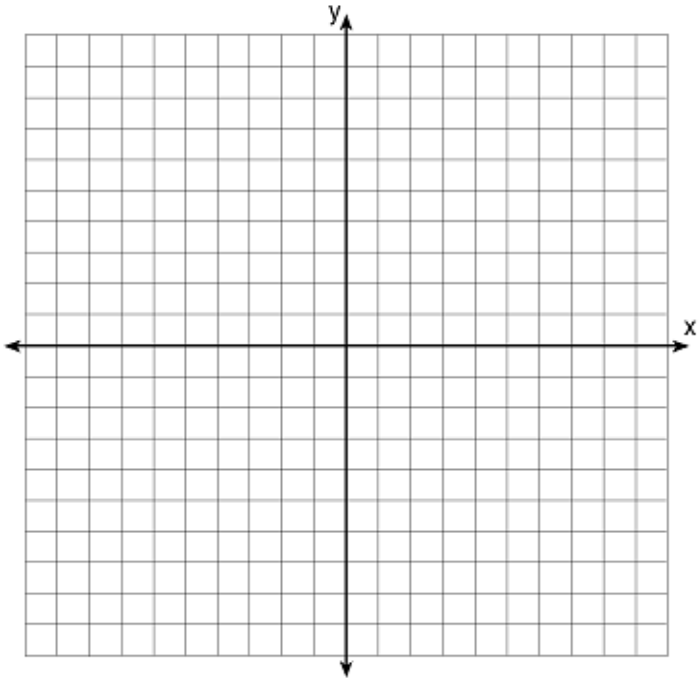
Name: _____ Date: _____

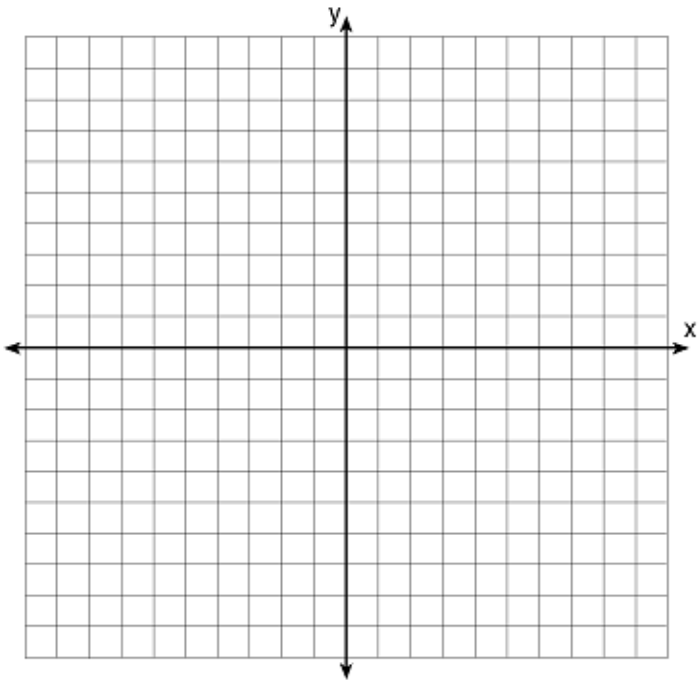
Intermediate Algebra - 8.5 Graphing Quadratic Functions

1) $y = x^2 + 2x + 1$ $(-4 \leq x \leq 2)$

Table of values (using the domain indicated)	Graph and Draw the axis of symmetry
a = _____ b = _____ c = _____	Turning point / Vertex = Minimum / Maximum

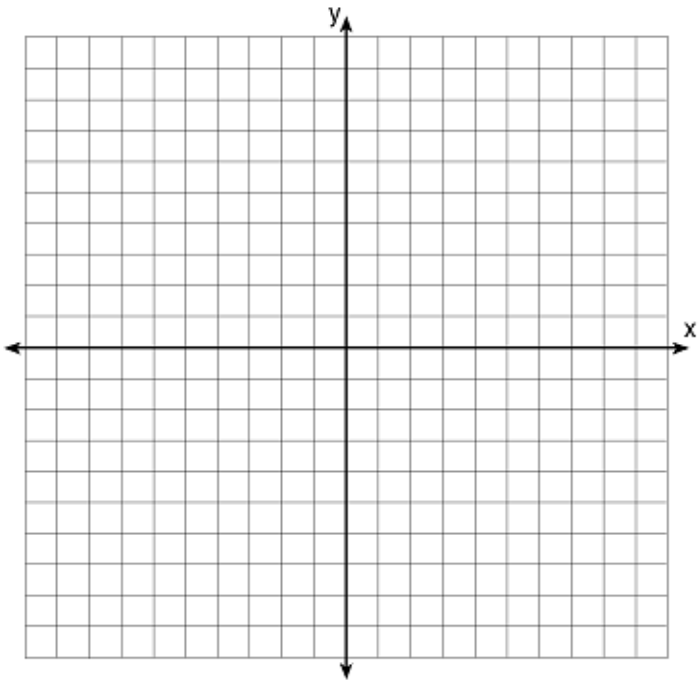


2) $y = x^2 - 4x + 3$ $((-1 \leq x \leq 5)$

Table of values (using the domain indicated)	Graph and Draw the axis of symmetry
	
a = _____ b = _____ c = _____	Turning point / Vertex = Minimum / Maximum

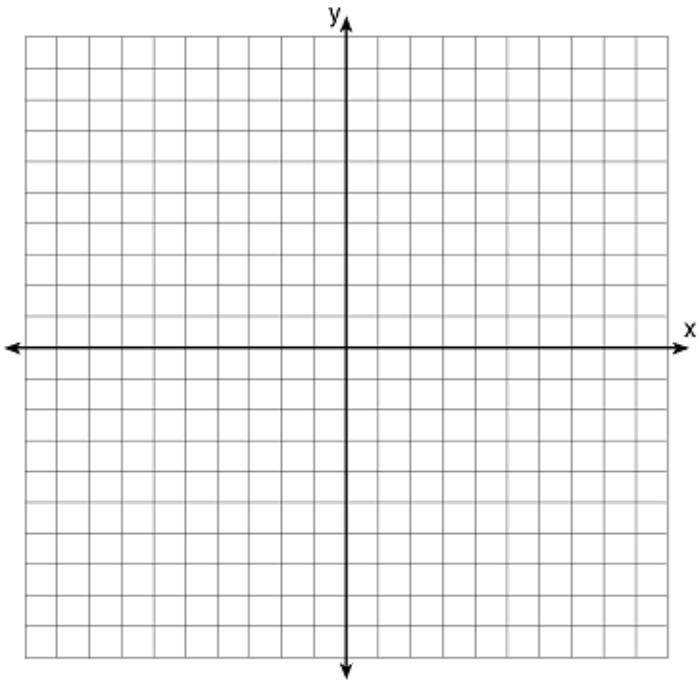
3) $y = -x^2 - 2x + 3 \ (-4 \leq x \leq 2)$

Table of values (using the domain indicated)	Graph and Draw the axis of symmetry
a = _____ b = _____ c = _____	Turning point / Vertex = Minimum / Maximum



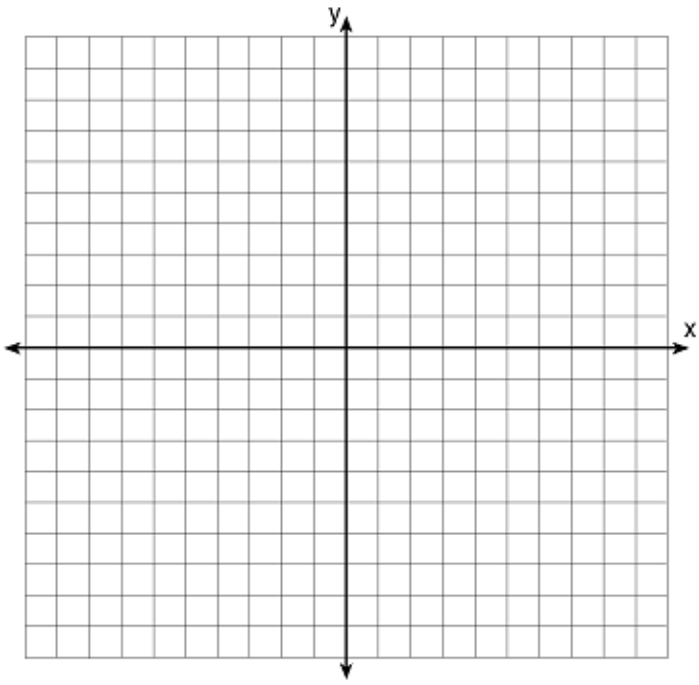
4) $y = -x^2 + 4$ $(-3 \leq x \leq 3)$

Table of values (using the domain indicated)	Graph and Draw the axis of symmetry
a = _____ b = _____ c = _____	Turning point / Vertex = Minimum / Maximum



5) $y = x^2$ $(-3 \leq x \leq 3)$ a = _____, b = _____, c = _____

Table of values (using the domain indicated)	Graph and Draw the axis of symmetry
a = _____ b = _____ c = _____	Turning point / Vertex = Minimum / Maximum



6) $y = -x^2 - 2x \ (-4 \leq x \leq 2)$

Table of values (using the domain indicated)	Graph and Draw the axis of symmetry
a = _____ b = _____ c = _____	Turning point / Vertex = Minimum / Maximum