Name:_____ Date:_____ Pd:_____

2.2 QUAD BASICS: Graphing Parabolas DAY TWO CYU

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Graphing Quadratics (5 points)	1 - 6		
Vertex	3, 4, 5	1, 2, 6	
Axis of Symmetry	3, 4, 5	1, 2, 6	
Minimum/Maximum Value	3, 4, 5	1, 2, 6	
Increasing/Decreasing	3, 4, 5	1, 2, 6	
Domain/Range	1 – 6		
x-intercept(s), roots, zeros, solutions	1 - 6	1 - 6	1 - 6
y-intercept	1 - 6		
Opens Up/Down	1 - 6		
Creating a t-chart	1 - 6		

1. $y = 2x^2 - 2$

y-intercept: _____   Vertex: _____

Roots (x-intercepts):_____

Max or Min Value: _____

Axis of Symmetry: _____

Opens Up or Down

Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

x	y

2. $y = -6x^2 + 6$

y-intercept: _____ Vertex: _____

Roots (x-intercepts):_____

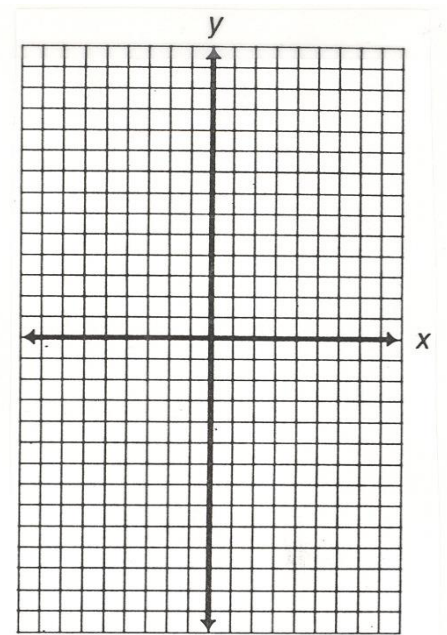Max or Min Value: _____

Axis of Symmetry: _____

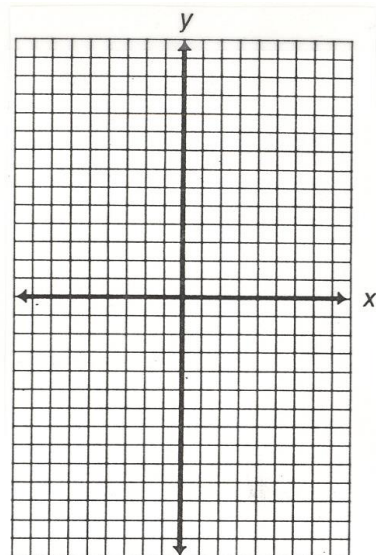Opens Up or Down

Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

x	y

3. $f(x) = x^2 + 6x + 5$
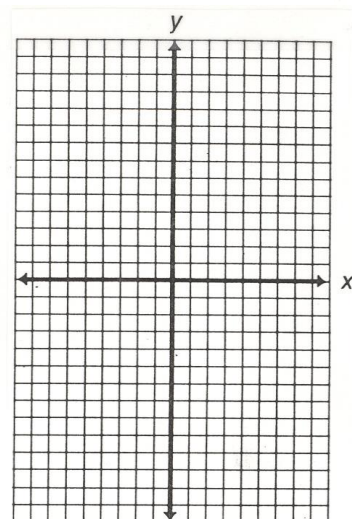
y-intercept: _____ Vertex: _____

Roots (x-intercepts):_____

Max or Min Value: _____

Axis of Symmetry: _____

Opens Up or Down

Domain: _____

Range: _____

Increasing: _____

Decreasing: _____
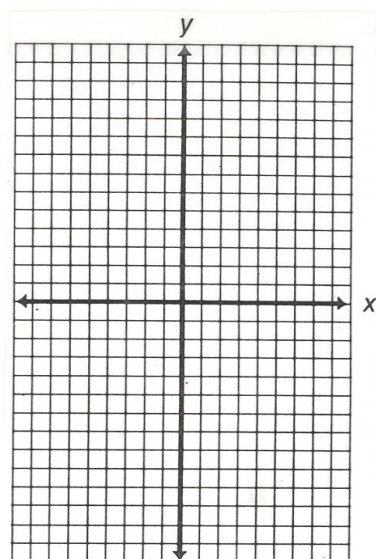
x	y

4. $f(x) = x^2 - 8x + 7$

y-intercept: _____ Vertex: _____

Roots (x-intercepts):_____

Max or Min Value: _____

Axis of Symmetry: _____

Opens Up or Down

Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

x	y

5. $y = x^2 - 10x + 21$

y-intercept: _____ Vertex: _____

Roots (x-intercepts): _____

Max or Min Value: _____

Axis of Symmetry: _____

Opens Up or Down

Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

x	y

6. $f(x) = -2x^2 + 8x + 7$

y-intercept: _____ Vertex: _____

Roots (x-intercepts): _____

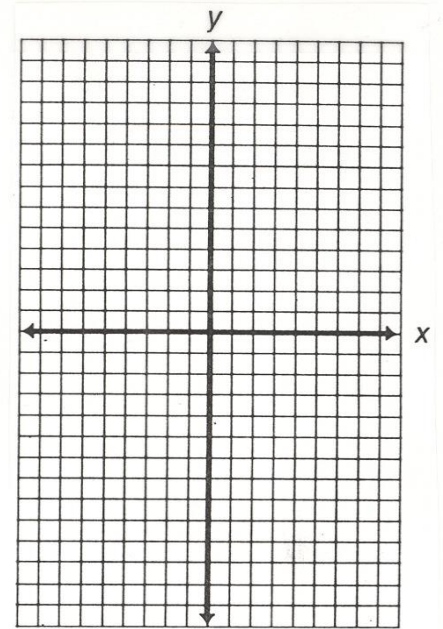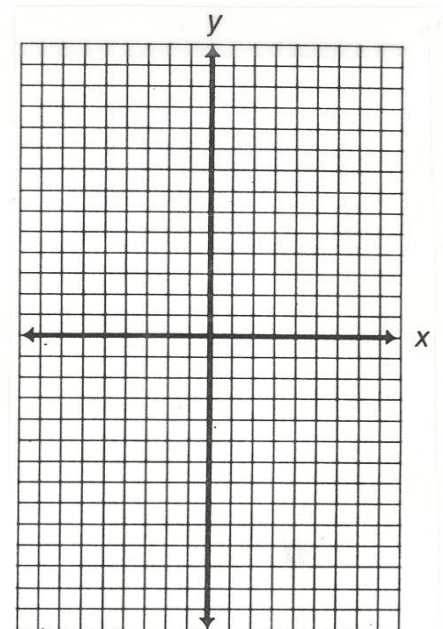Max or Min Value: _____

Axis of Symmetry: _____

Opens Up or Down

Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

x	y

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*
Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the score you would give yourself.

1 2	3 4 5	6 7	8
Basic	Intermediate	Advanced	Solved ALL!