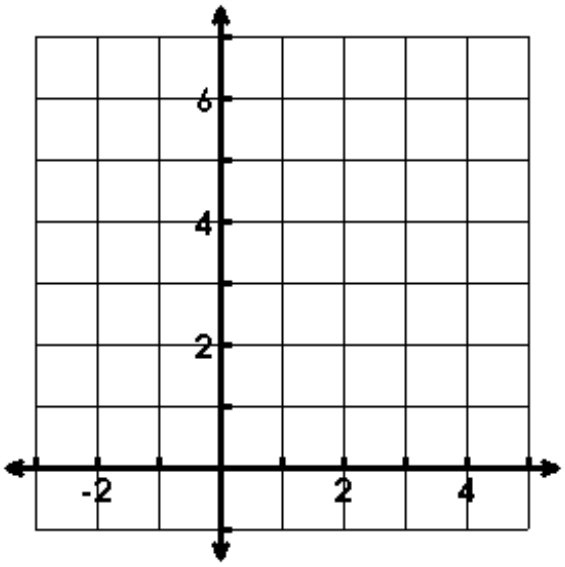
Name: _____ Date: _____

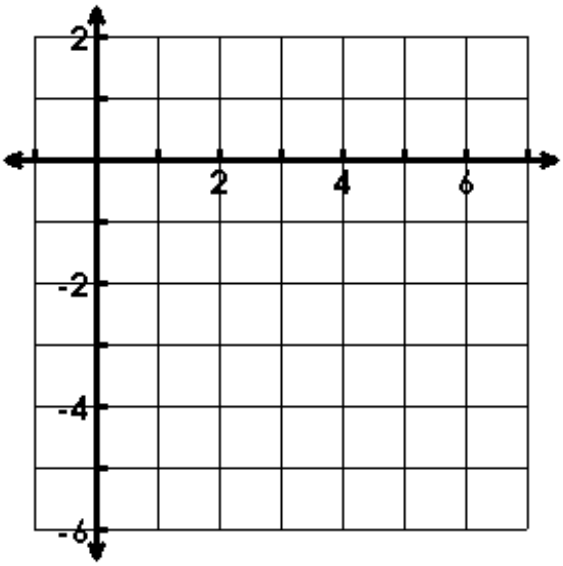
Graphing Quadratic Equations in Standard Form

1. $f(x) = x^2 - 4x + 5$



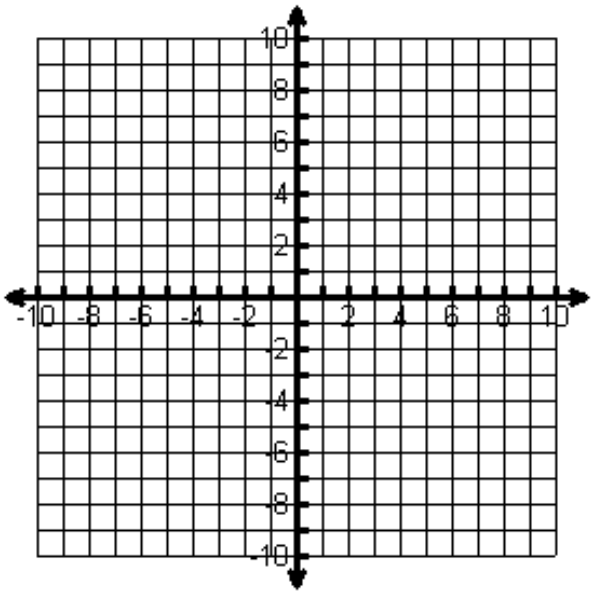
Characteristics	
A.O.S.	
Vertex:	
Domain:	
Range:	
Solution(s):	
y-intercept:	
Interval of Increase:	
Interval of Decrease:	
End Behavior	$As\ x \to -\infty, f(x) \to$ _____ $As\ x \to \infty, f(x) \to$ _____

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



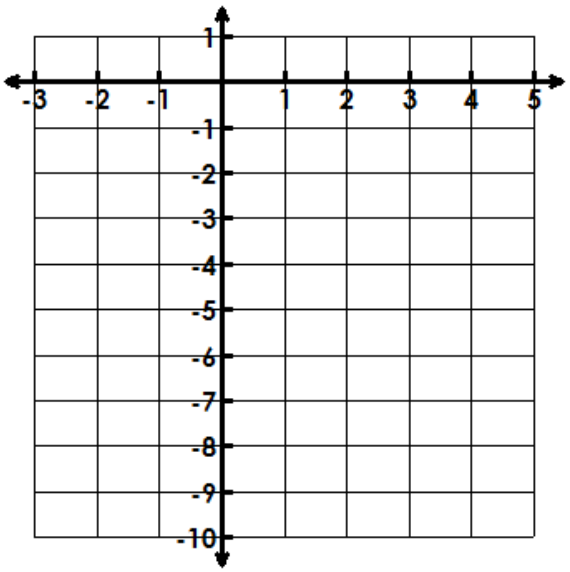
Characteristics	
A.O.S.	
Vertex:	
Domain:	
Range:	
Zero(s):	
y-intercept:	
Interval of Increase:	
Interval of Decrease:	
End Behavior	$As\ x \to -\infty, f(x) \to$ _____ $As\ x \to \infty, f(x) \to$ _____

3. $f(x) = -2x^2 + 12x - 10$



Characteristics	
A.O.S.	
Vertex:	
Domain:	
Range:	
Solution(s):	
y-intercept:	
Interval of Increase:	
Interval of Decrease:	
End Behavior	$As\ x \to -\infty, f(x) \to$ _____ $As\ x \to \infty, f(x) \to$ _____

4. $f(x) = 3x^2 + 1$



Characteristics	
A.O.S.	
Vertex:	
Domain:	
Range:	
Zero(s):	
y-intercept:	
Interval of Increase:	
Interval of Decrease:	
End Behavior	$As\ x \to -\infty, f(x) \to$ _____ $As\ x \to \infty, f(x) \to$ _____