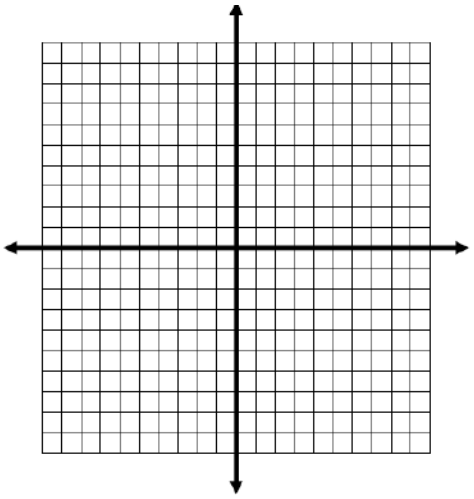
Math 2 Name _____

Graphing Quadratics Date _____ Per ____

Convert each equation to vertex form and then graph the equation.



1. $y = x^2 - 2x - 3$

Vertex Form _____

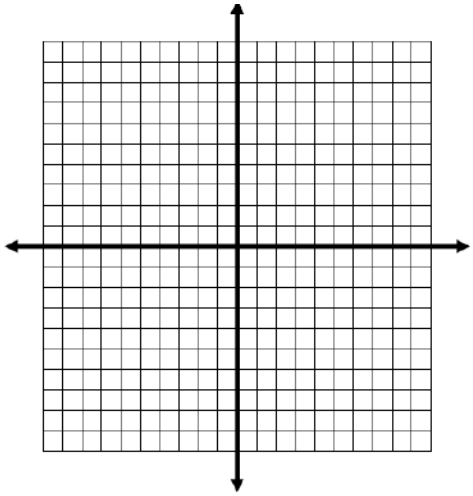
Maximum or Minimum

Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____ Intervals of Decreasing_____



2. . $y = x^2 + 4x - 12$

Vertex Form _____

Maximum or Minimum

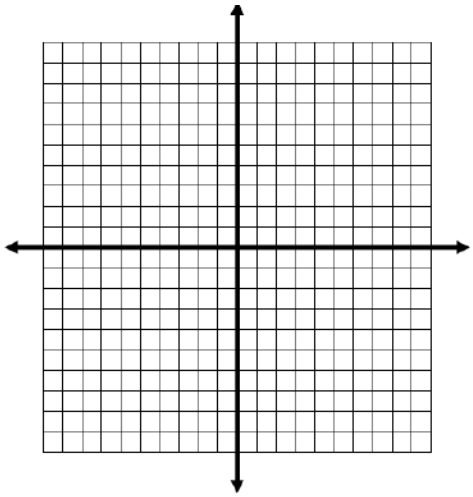
Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____ Intervals of Decreasing_____

3. $y = x^2 + 6x + 4$



Vertex Form _____

Maximum or Minimum

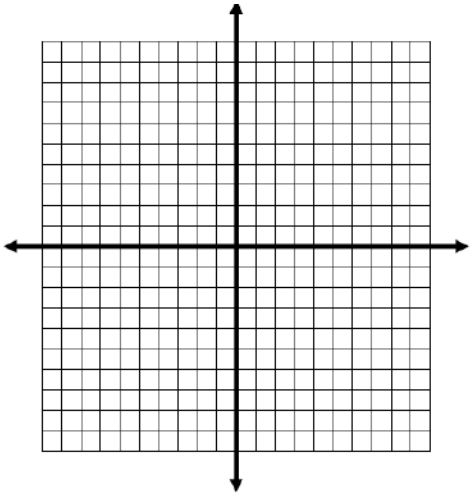
Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____ Intervals of Decreasing_____

4. $y = x^2 + 4x + 3$



Vertex Form _____

Maximum or Minimum

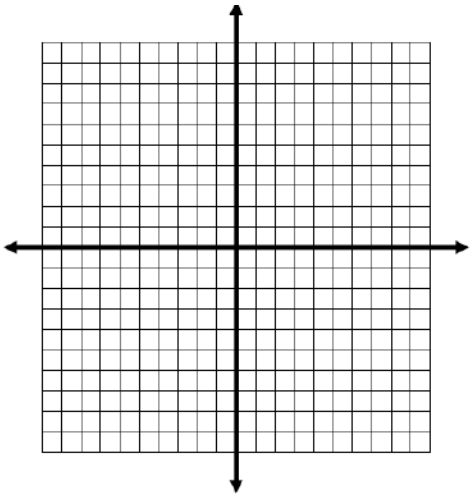
Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____ Intervals of Decreasing_____

5. $y = x^2 - 6$



Vertex Form _____

Maximum or Minimum

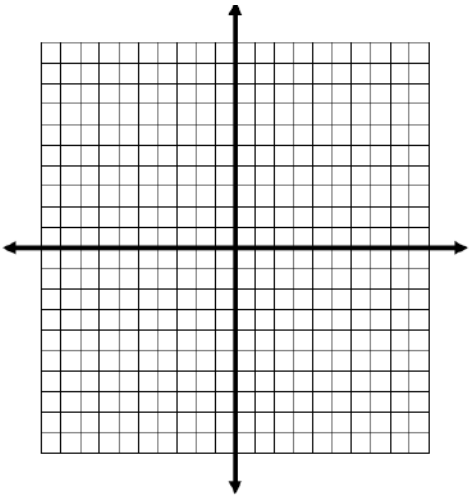
Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____ Intervals of Decreasing_____

6. $y = x^2 + 2x + 5$



Vertex Form _____

Maximum or Minimum

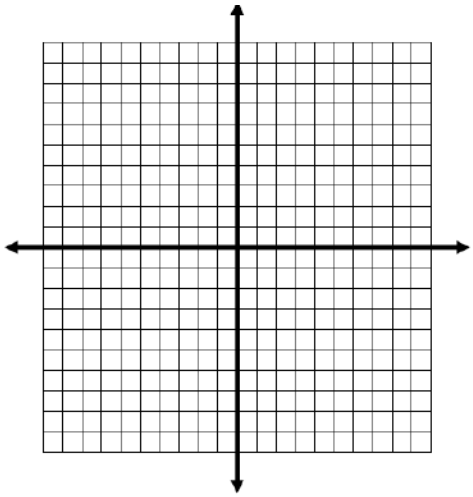
Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____ Intervals of Decreasing_____

7. $y = x^2 + 5x$



Vertex Form _____

Maximum or Minimum

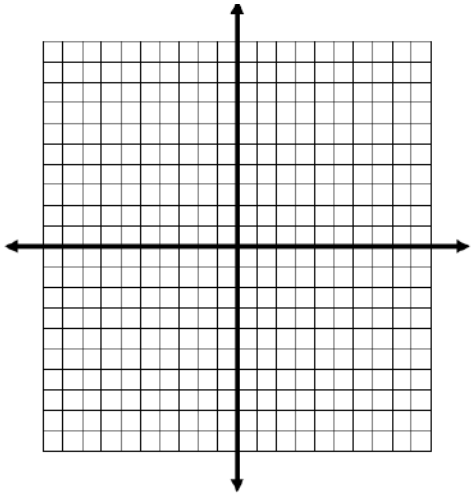
Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____Intervals of Decreasing_____

8. $y = x^2 + 6x + 1$



Vertex Form _____

Maximum or Minimum

Vertex _____ y – intercept _____

AOS _____ Domain_____

x – intercepts _____ Range _____

Intervals of Increasing _____Intervals of Decreasing_____