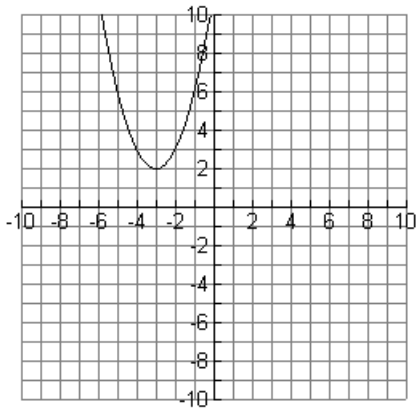


Algebra 2

Review Worksheet #1 for 5.1-5.2

1)



Vertex _____ Axis of Symmetry _____

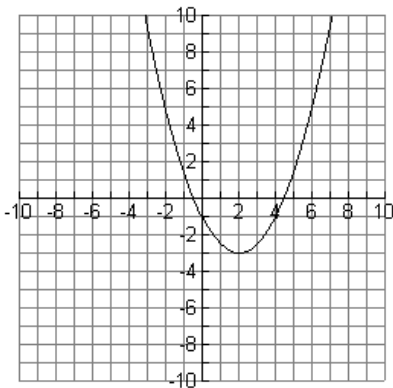
Transformations from $y = x^2$

Opens up or down? Max or Min? Max or Min value _____

Domain _____ Range _____

Equation of the graph _____

2)



Vertex _____ Axis of Symmetry _____

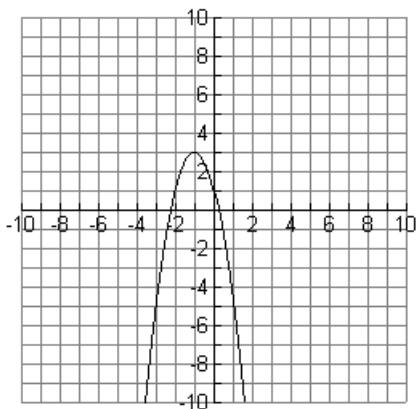
Transformations from $y = x^2$

Opens up or down? Max or Min? Max or Min value _____

Domain _____ Range _____

Equation of the graph _____

3)



Vertex _____ Axis of Symmetry _____

Transformations from $y = x^2$

Opens up or down? Max or Min? Max or Min value _____

Domain _____ Range _____

Equation of the graph _____

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

Vertex _____

Transformations from $y = x^2$

Axis of Symmetry _____

Opens up or down?

Max or Min? Max or Min value _____

Domain _____

Range _____

Y-Intercept _____

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

Vertex _____

Transformations from $y = x^2$

Axis of Symmetry _____

Opens up or down?

Max or Min? Max or Min value _____

Domain _____

Range _____

Y-Intercept _____

6) $y = -\frac{1}{2}x^2 + 10x + 5$

Vertex _____

Transformations from $y = x^2$

Axis of Symmetry _____

Opens up or down?

Max or Min? Max or Min value _____

Domain _____

Range _____

7) $y = -x^2 + 8x - 1$

Vertex _____

Transformations from $y = x^2$

Axis of Symmetry _____

Opens up or down?

Max or Min? Max or Min value _____

Domain _____

Range _____

8) $y = 3(x+1)^2 + 2$

Vertex _____

Transformations from $y = x^2$

Axis of Symmetry _____

Opens up or down?

Max or Min? Max or Min value _____

Domain _____

Range _____