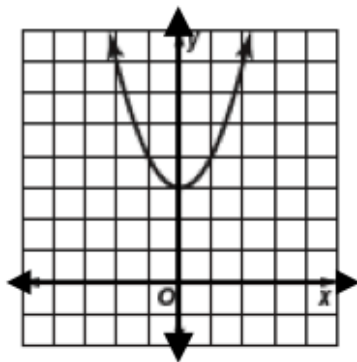


#1-3: For each graph, find:

- the vertex
- the equation for the axis of symmetry
- the y-intercept

1.

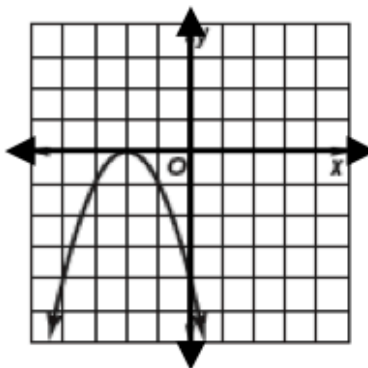


vertex:

axis of symmetry:

y-intercept:

2.

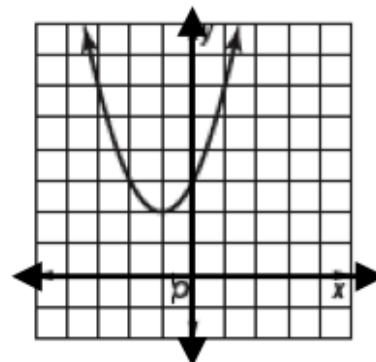


vertex:

axis of symmetry:

y-intercept:

3.



vertex:

axis of symmetry:

y-intercept:

#7-9: For each equation...

- a. Determine whether the function has a maximum or minimum value.
- b. State the maximum or minimum value.
- c. Identify the domain and range of the function.

7. $y = 2x^2$

a. Maximum or Minimum:

b. Max/Min Value:

c. Domain:

Range:

8. $y = x^2 - 2x - 5$

a. Maximum or Minimum:

b. Max/Min Value:

c. Domain:

Range:

9. $y = -x^2 + 4x - 1$

a. Maximum or Minimum:

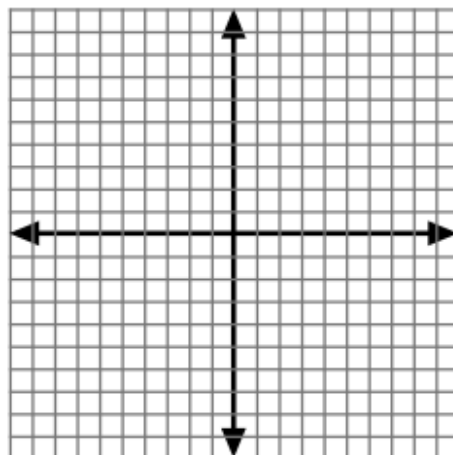
b. Max/Min Value:

c. Domain:

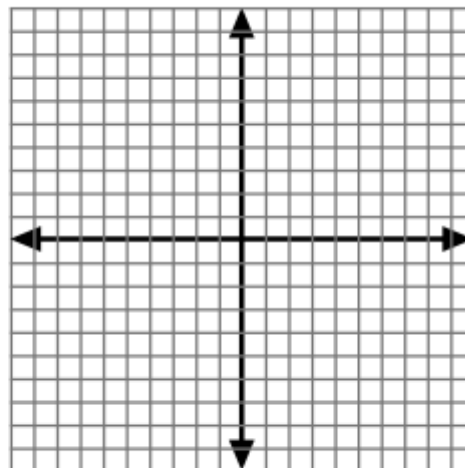
Range:

Graph each function. State the domain and range.

3. $y = 3x^2 - 6x - 2$



5. $y = -2x^2 - 8x + 2$



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

