

Quadratic Functions and the Square Root Method Assignment

1.)

$$y = x^2 - 9$$

1.) Axis of symmetry: _____

2.) Vertex: _____

3.) x - intercepts: _____, _____

4.) y - intercept: _____

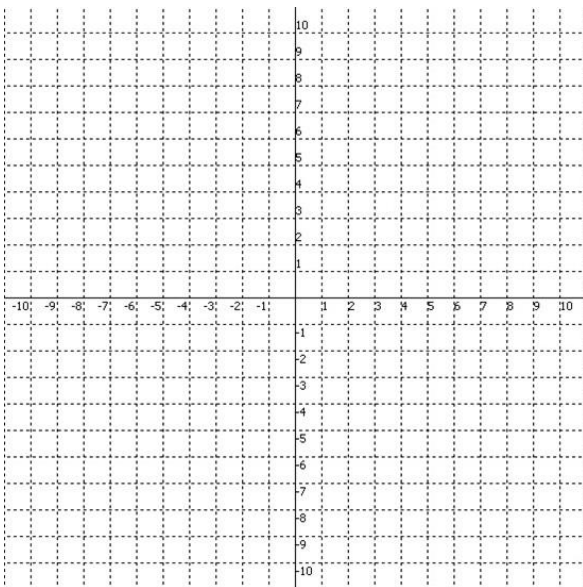
5.) Domain: _____

6.) Range: _____

7.) Interval of increase: _____

8.) Interval of decrease: _____

5.) Graph:



2.)

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

1.) Axis of symmetry: _____

2.) Vertex: _____

3.) x - intercepts: _____, _____

4.) y - intercept: _____

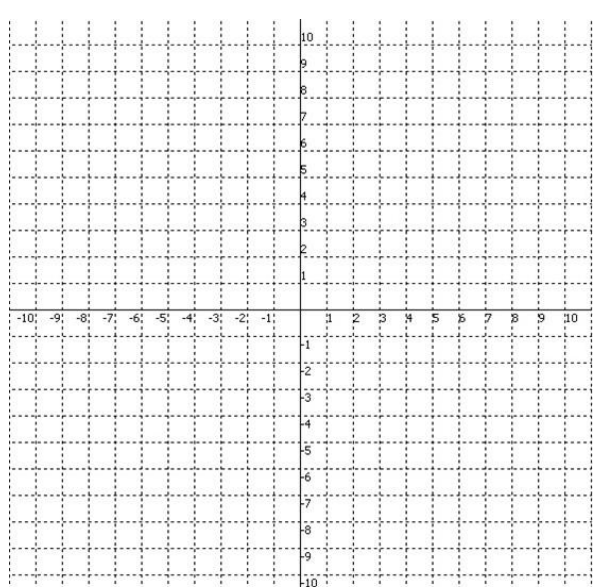
5.) Domain: _____

6.) Range: _____

7.) Interval of increase: _____

8.) Interval of decrease: _____

5.) Graph:



Quadratic Functions and the Square Root Method Assignment

3.)

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

1.) Axis of symmetry: _____

2.) Vertex: _____

3.) x - intercepts: _____, _____

4.) y - intercept: _____

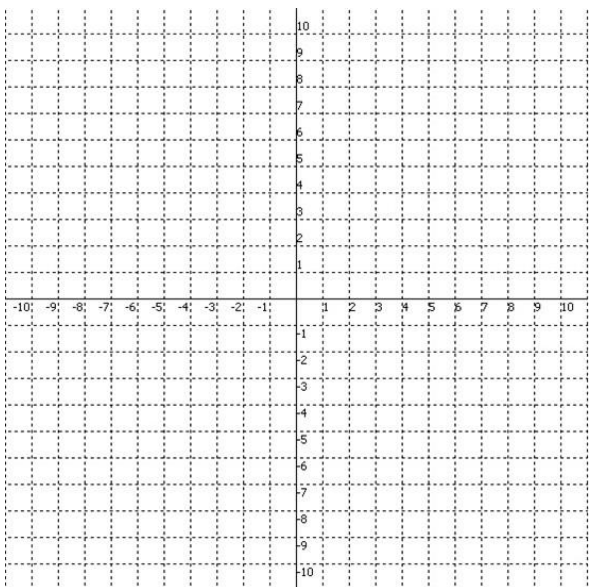
5.) Domain: _____

6.) Range: _____

7.) Interval of increase: _____

8.) Interval of decrease: _____

5.) Graph:



4.)

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

1.) Axis of symmetry: _____

2.) Vertex: _____

3.) x - intercepts: _____, _____

4.) y - intercept: _____

5.) Domain: _____

6.) Range: _____

7.) Interval of increase: _____

8.) Interval of decrease: _____

5.) Graph:

