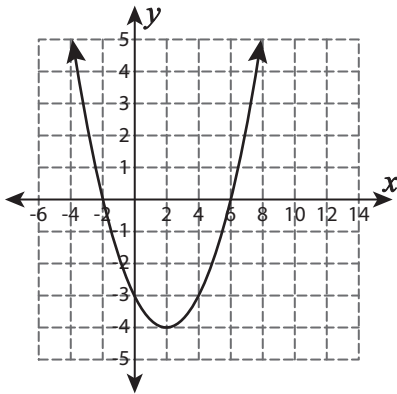


# Properties of Quadratic Function

Find the properties of each quadratic function.

1)



Domain : \_\_\_\_\_

Range : \_\_\_\_\_

$x$ -intercepts : \_\_\_\_\_

$y$ -intercept : \_\_\_\_\_

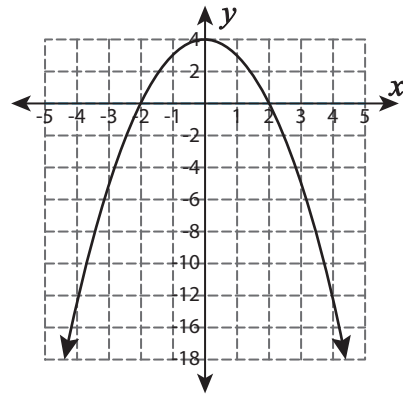
Vertex : \_\_\_\_\_

Minimum value : \_\_\_\_\_

Axis of symmetry : \_\_\_\_\_

Open up or down : \_\_\_\_\_

2)



Domain : \_\_\_\_\_

Range : \_\_\_\_\_

$x$ -intercepts : \_\_\_\_\_

$y$ -intercept : \_\_\_\_\_

Vertex : \_\_\_\_\_

Maximum value : \_\_\_\_\_

Axis of symmetry : \_\_\_\_\_

Open up or down : \_\_\_\_\_

## PREVIEW

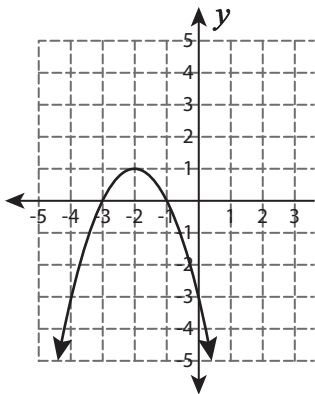
Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

3)



Domain : \_\_\_\_\_

Range : \_\_\_\_\_

$x$ -intercepts : \_\_\_\_\_

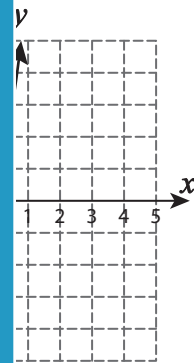
$y$ -intercept : \_\_\_\_\_

Vertex : \_\_\_\_\_

Maximum value : \_\_\_\_\_

Axis of symmetry : \_\_\_\_\_

Open up or down : \_\_\_\_\_



Domain : \_\_\_\_\_

Range : \_\_\_\_\_

$x$ -intercepts : \_\_\_\_\_

$y$ -intercept : \_\_\_\_\_

Vertex : \_\_\_\_\_

Minimum value : \_\_\_\_\_

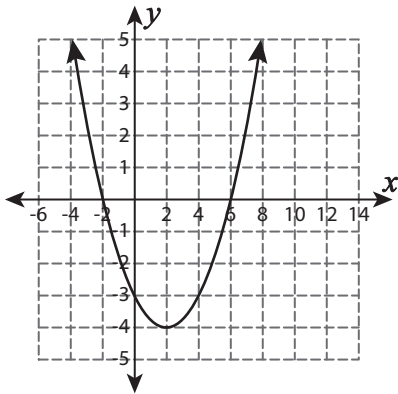
Axis of symmetry : \_\_\_\_\_

Open up or down : \_\_\_\_\_

**Properties of Quadratic Function**

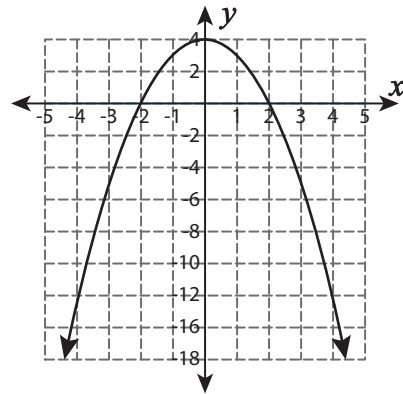
Find the properties of each quadratic function.

1)



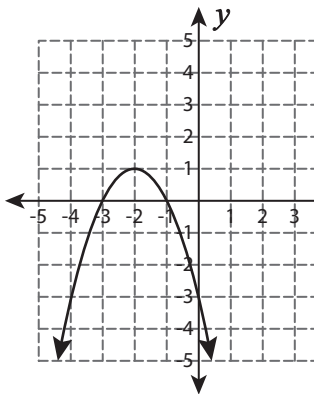
- Domain : Real Numbers
- Range : {
- x-intercepts : (
- y-intercept : \_\_\_\_\_
- Vertex : \_\_\_\_\_
- Minimum value : \_\_\_\_\_
- Axis of symmetry : \_\_\_\_\_
- Open up or down : \_\_\_\_\_

2)

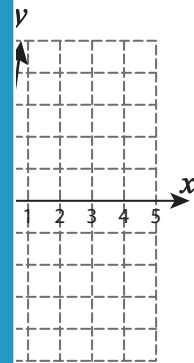


- Domain : Real Numbers
- Range : { y is real : y ≤ 4 }
- x-intercepts : (-2, 0) and (2, 0)
- y-intercept : (0, 4)
- Vertex : (0, 4)
- Minimum value : y = 4
- Axis of symmetry : x = 0
- Open up or down : Down

3)



- Domain : Real Numbers
- Range : { y is real : y ≤ 1 }
- x-intercepts : (-3, 0) and (-1, 0)
- y-intercept : (0, -3)
- Vertex : (-2, 1)
- Maximum value : y = 1
- Axis of symmetry : x = -2
- Open up or down : Down



- Domain : Real Numbers
- Range : { y is real : y ≥ -5 }
- x-intercepts : (-4, 0) and (0, 0)
- y-intercept : (0, 0)
- Vertex : (-2, -5)
- Minimum value : y = -5
- Axis of symmetry : x = -2
- Open up or down : Up

**PREVIEW**

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)