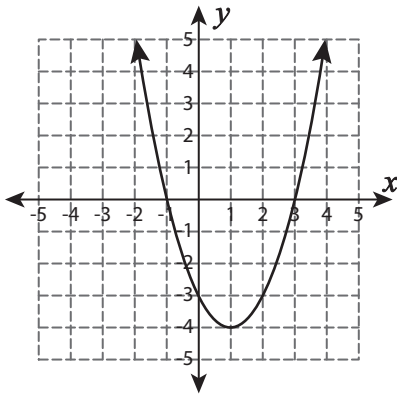


Properties of Quadratic Function

Find the properties of each quadratic function.

1)



Domain : _____

Range : _____

x -intercepts : _____

y -intercept : _____

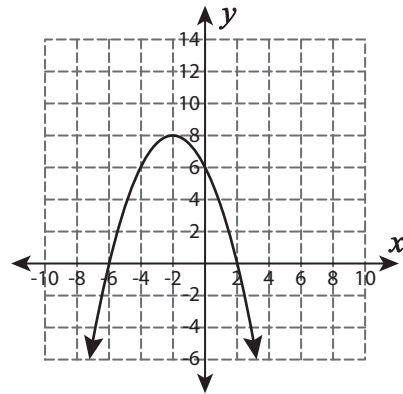
Vertex : _____

Minimum value : _____

Axis of symmetry : _____

Open up or down : _____

2)



Domain : _____

Range : _____

x -intercepts : _____

y -intercept : _____

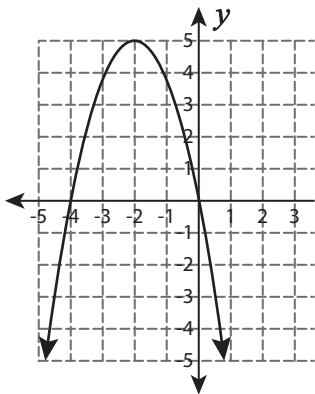
Vertex : _____

Maximum value : _____

Axis of symmetry : _____

Open up or down : _____

3)



Domain : _____

Range : _____

x -intercepts : _____

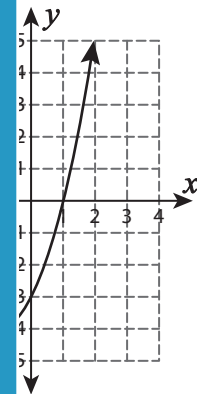
y -intercept : _____

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 : _____

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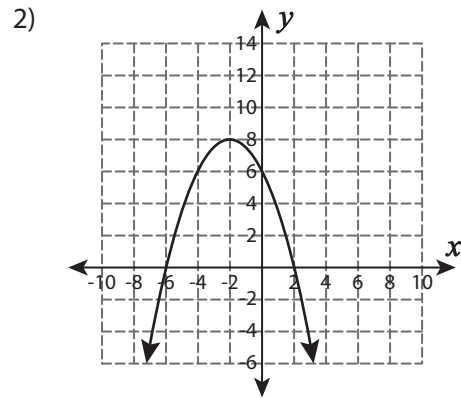
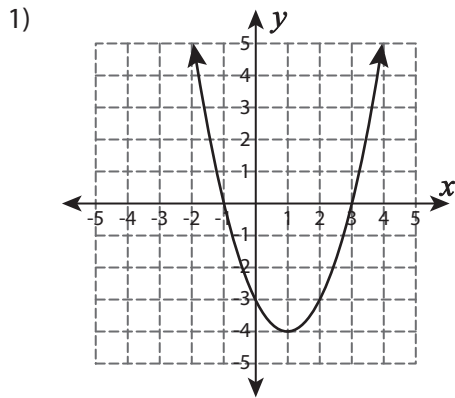
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Properties of Quadratic Function

Find the properties of each quadratic function.



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

- Domain : Real Numbers
- Range : { y is real : y ≤ 8 }
- x-intercepts : (-6, 0) and (2, 0)
- y-intercept : (0, 6)
- Vertex : (-2, 8)
- Maximum value : y = 8
- Axis of symmetry : x = -2
- Open up or down : Down

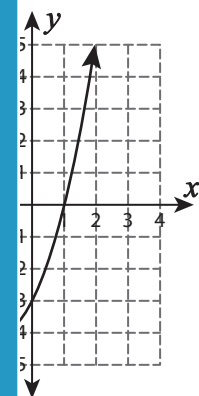
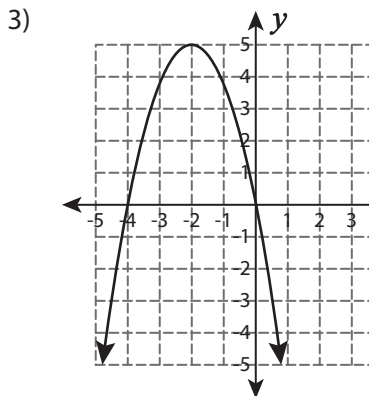
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- Domain : Real Numbers
- Range : { y is real : y ≤ 5 }
- x-intercepts : (-4, 0) and (0, 0)
- y-intercept : (0, 0)
- Vertex : (-2, 5)
- Maximum value : y = 5
- Axis of symmetry : x = -2
- Open up or down : Down

- Domain : Real Numbers
- Range : { y is real : y ≥ -4 }
- x-intercepts : (-3, 0) and (1, 0)
- y-intercept : (0, -3)
- Vertex : (-1, -4)
- Minimum value : y = -4
- Axis of symmetry : x = -1
- Open up or down : Up