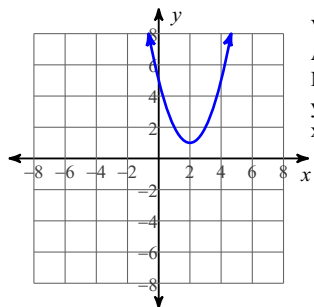


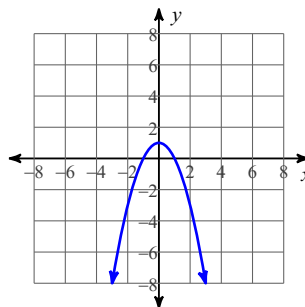
Answers to Worksheet 18 - Lesson 54

1)



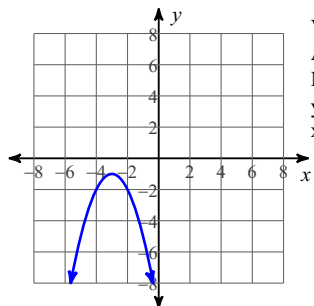
Vertex: $(2, 1)$
 Axis of Sym.: $x = 2$
 Min value = 1
 y-int: 5
 x-int: None

2)



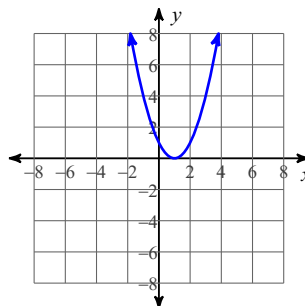
Vertex: $(0, 1)$
 Axis of Sym.: $x = 0$
 Max value = 1
 y-int: 1
 x-int: 1 and -1

3)



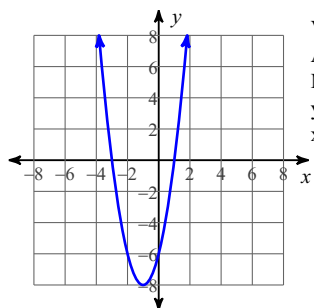
Vertex: $(-3, -1)$
 Axis of Sym.: $x = -3$
 Max value = -1
 y-int: -10
 x-int: None

4)



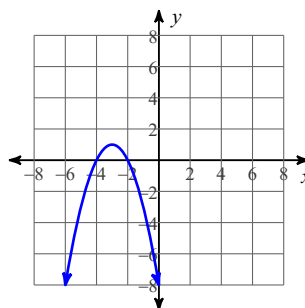
Vertex: $(1, 0)$
 Axis of Sym.: $x = 1$
 Min value = 0
 y-int: 1
 x-int: 1

5)



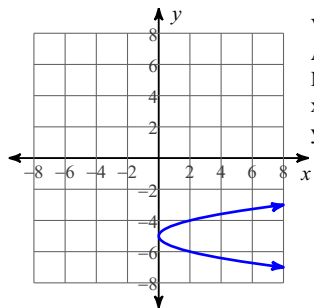
Vertex: $(-1, -8)$
 Axis of Sym.: $x = -1$
 Min value = -8
 y-int: -6
 x-int: 1 and -3

6)



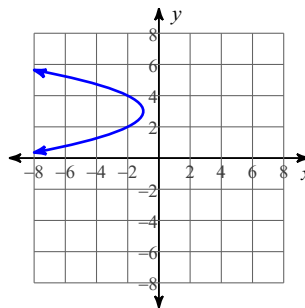
Vertex: $(-3, 1)$
 Axis of Sym.: $x = -3$
 Max value = 1
 y-int: -8
 x-int: -4 and -2

7)



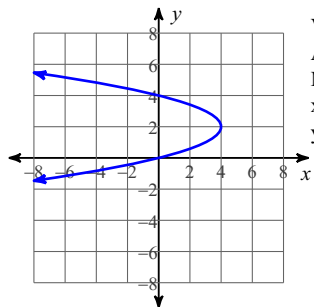
Vertex: $(0, -5)$
 Axis of Sym.: $y = -5$
 Min value = 0
 x-int: 5
 y-int: -5

8)



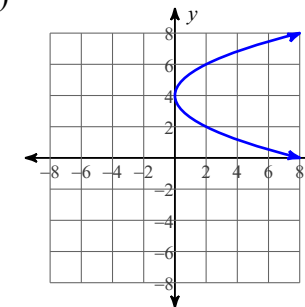
Vertex: $(-1, 3)$
 Axis of Sym.: $y = 3$
 Max value = -1
 x-int: -10
 y-int: None

9)



Vertex: $(4, 2)$
 Axis of Sym.: $y = 2$
 Max value = 4
 x-int: 0
 y-int: 0 and 4

10)



Vertex: $(0, 4)$
 Axis of Sym.: $y = 4$
 Min value = 0
 x-int: 8
 y-int: 4