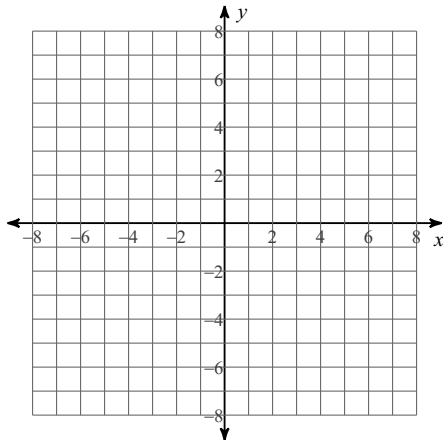


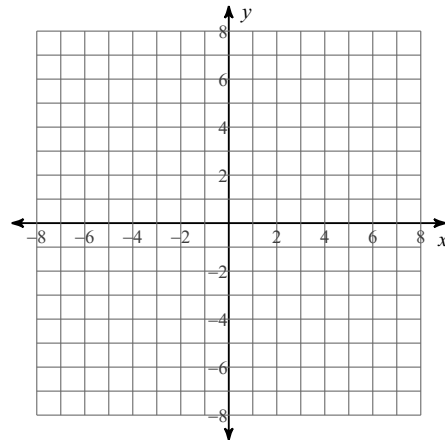
Second Degree Graphing Assignment

Identify the direction of opening, min/max value, and y-intercept of each. Then sketch the graph.

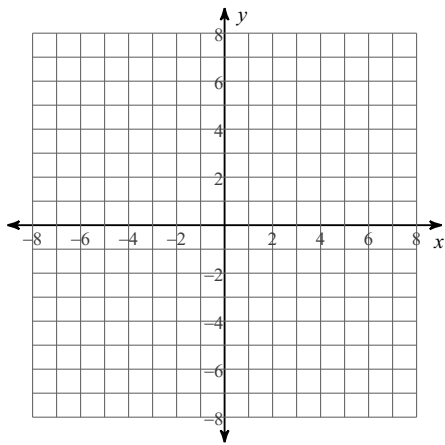
1) $f(x) = -\frac{1}{2}x^2$



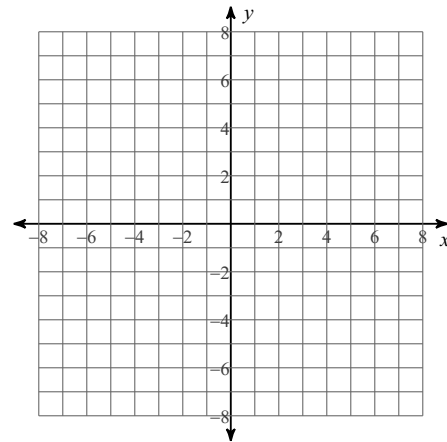
2) $f(x) = \frac{7}{8}x^2$



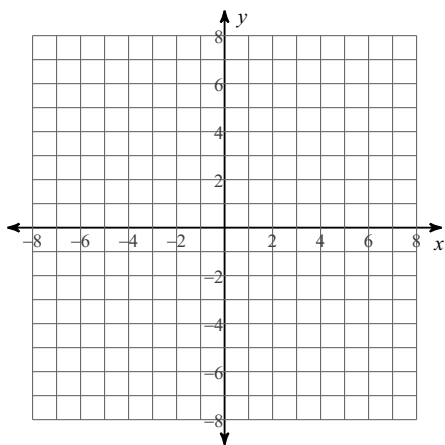
3) $f(x) = x^2$



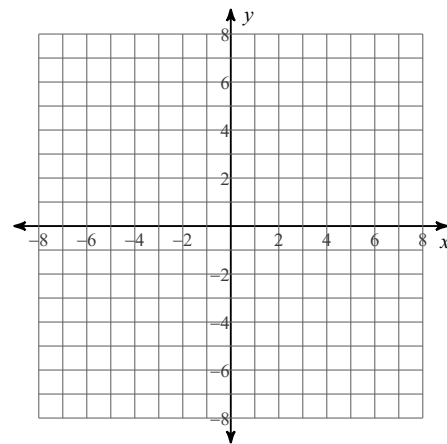
4) $f(x) = \frac{1}{3}x^2$



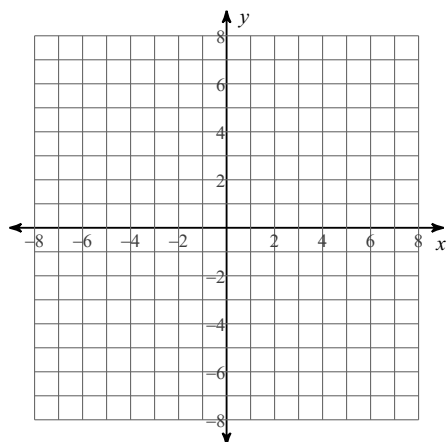
5) $f(x) = \frac{1}{2}x^2$



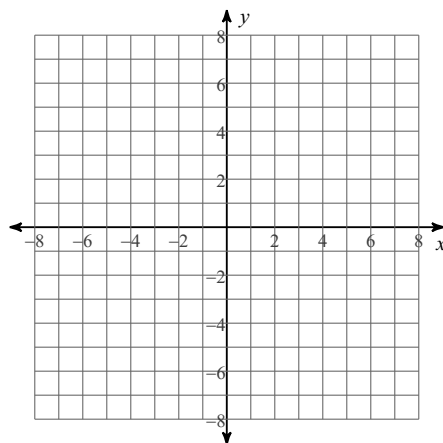
6) $f(x) = 2x^2$



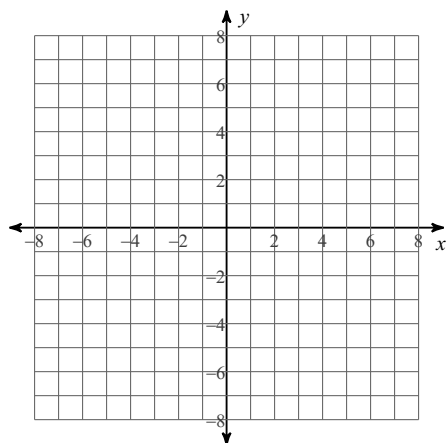
7) $f(x) = -\frac{1}{3}x^2$



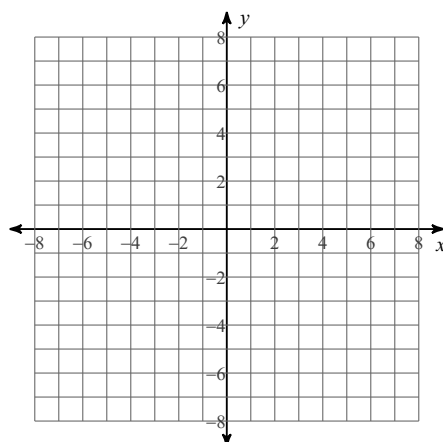
8) $f(x) = -x^2$



9) $f(x) = -\frac{1}{4}x^2$

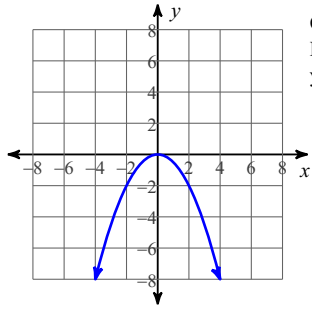


10) $f(x) = -2x^2$



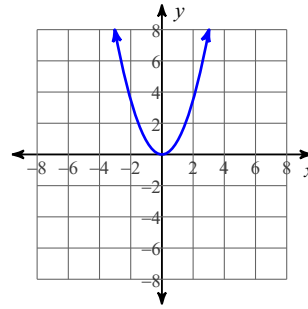
Answers to Second Degree Graphing Assignment

1)



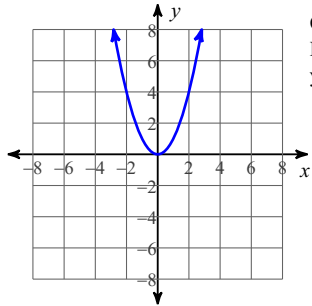
Opens: Down
Max value = 0
y-int: 0

2)



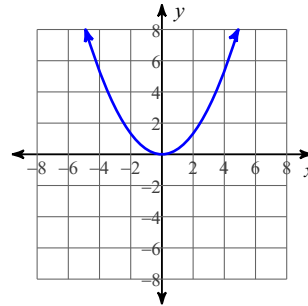
Opens: Up
Min value = 0
y-int: 0

3)



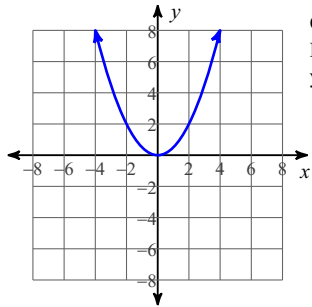
Opens: Up
Min value = 0
y-int: 0

4)



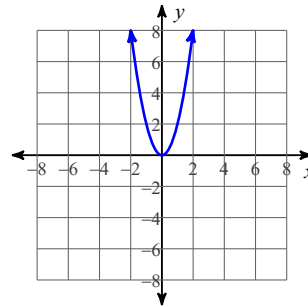
Opens: Up
Min value = 0
y-int: 0

5)



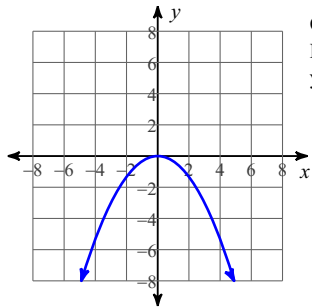
Opens: Up
Min value = 0
y-int: 0

6)



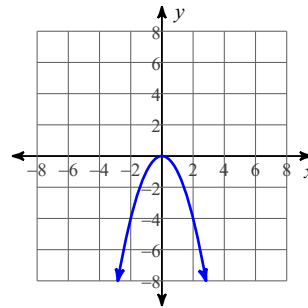
Opens: Up
Min value = 0
y-int: 0

7)



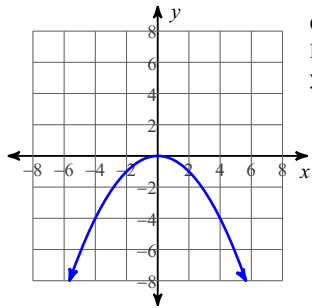
Opens: Down
Max value = 0
y-int: 0

8)



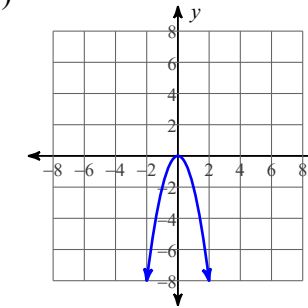
Opens: Down
Max value = 0
y-int: 0

9)



Opens: Down
Max value = 0
y-int: 0

10)



Opens: Down
Max value = 0
y-int: 0