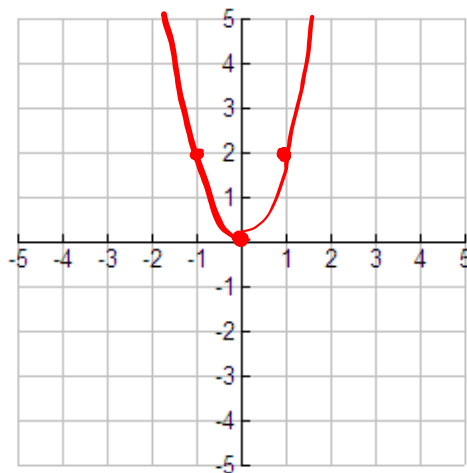


Warm-up 3/2/17

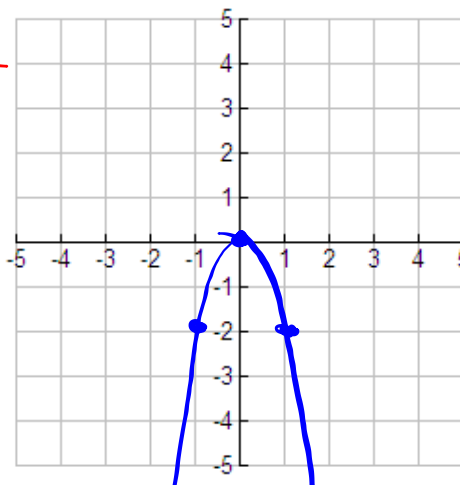
Sketch each graph.

1. $y = 2x^2$ $2(-1)^2$



x	y
1	2
2	8
-1	2
0	0

2. $y = -2x^2$ $-2(-1)^2$



x	y
1	-2
2	-8
-1	-2
0	0

Pg. 878
1-3

$v_0 = 160$ $h_0 = 0$

2. $s(t) = -16t^2 + 160t$

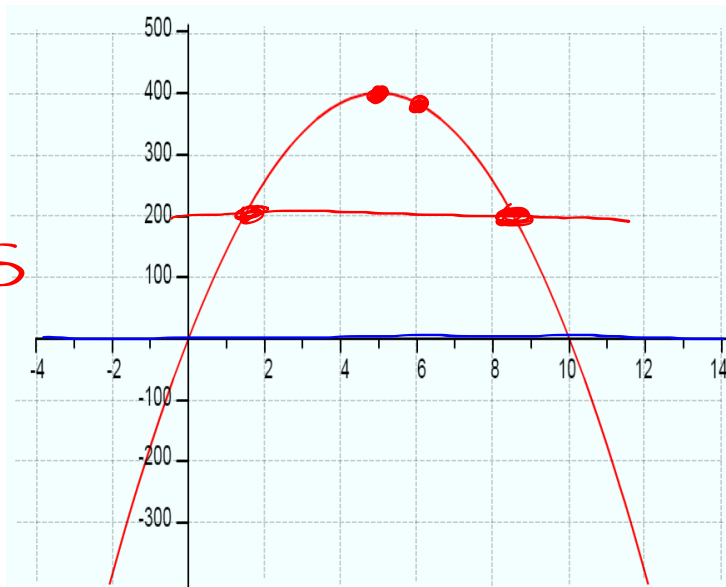
Pg. 879-880

4-9

5 a. 384

b. 1.5 or 8.5

c. 400 ft.
5 sec.



6 a. $y = 0$

b. $(0, 0)$ $(10, 0)$

7. a. all real
#s

b. $x \geq 0$
 $x \leq 10$

8 a. $y \leq 400$

b. $y \geq 0$
 $y \leq 400$

Pg. 881

10-12

$x \geq 2$

$[2, \infty)$

$x \leq 2$

$(-\infty, 2]$

$x > 2$

$(2, \infty)$

$x < 2$

$(-\infty, 2)$

10 a. $(-\infty, a)$

b. $(-\infty, a]$

c. $(-\infty, \infty)$

11. a. $(-\infty, 5)$

b. $(5, \infty)$

Pg. 882-883

2-4

1.

Domain: All real numbers

Range: All real numbers less than or equal to 2

$$y \leq 2$$

y-intercept: (0, 0)

Zeros: (0, 0), (2, 0)

Interval of increase: $(-\infty, 1)$

Interval of decrease: $(1, \infty)$