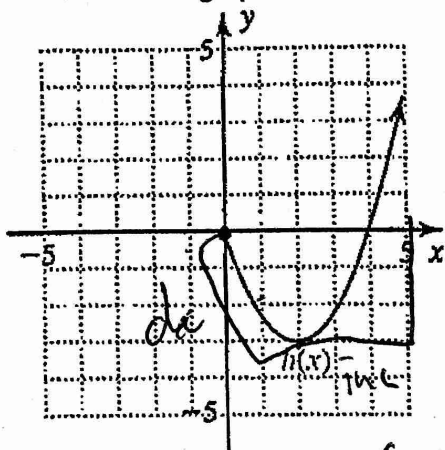## 2.3 Re-Teach Worksheet

Name __Key__

Intermediate Algebra

Learning Target. I can demonstrate understanding of the significant features of a graph or table and their relationship to real-world situations.

1. Use the graph to answer the following questions.

a. y-intercept(s)___$(0,0)$___

b. x-intercept(s)___$(0,0)$ $(4,0)$___

c. Relative maximum___$(0,0)$___

d. Relative minimum___none___

Absolute min $(2,-3)$

e. Increasing Intervals__label on graph_
$x > 2$

f. Decreasing Intervals__label on graph___
$x > 0$ $x < 2$

g. Domain___$x \geq 0$___

h. Range___$y \geq -3$___

2.
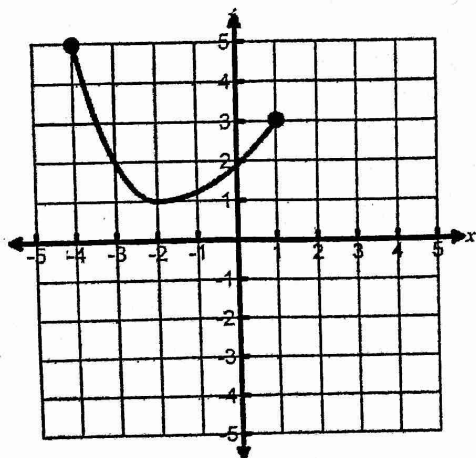
Domain:___$x \geq -4$ $x \leq 1$___
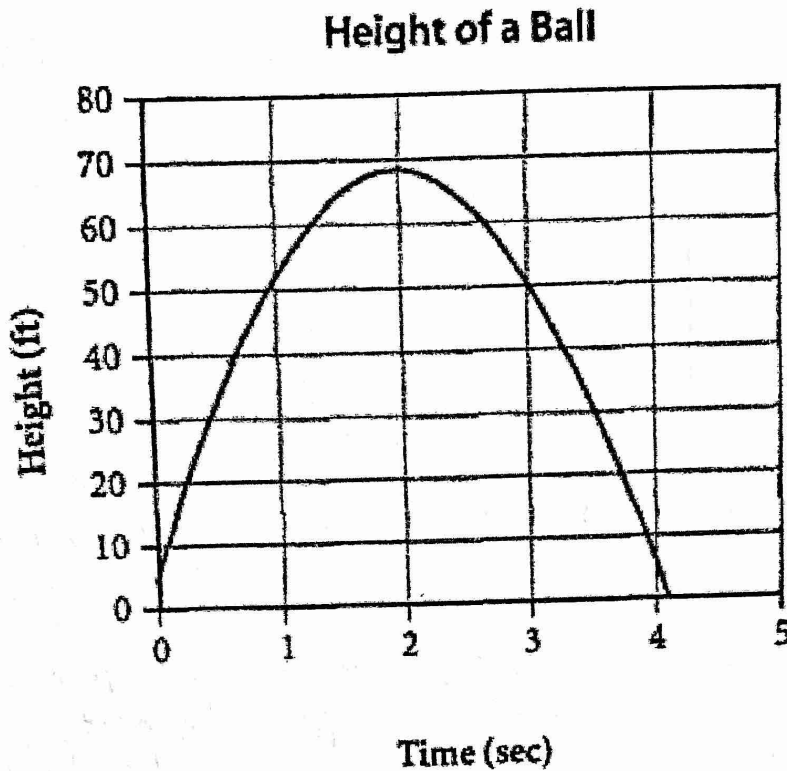
Range:___$y \geq 1$ $y \leq 5$___

x-intercept(s):___none___

y-intercept:___$(0,2)$___

2.3 Re-Teach Worksheet
Intermediate Algebra

Name _____

3. Use the graph to answer the following questions

Height of a Ball

Time (sec)

a. Did the ball start on the ground before being thrown? How can you tell?

no   starts @ 5 feet

b. When was the ball at a height of 40ft? What was the height of the ball at 3 seconds

.75 sec   3.25 seconds

c. What was the maximum height of the ball and at what time did that occur?

max height 69 ft   time 2 seconds

d. What does the point (4.1, 0) represent in this problem?

ball hits the ground, took ball 4.1 seconds to hit gr   x-intercept

e. Was the ball increasing or decreasing on the interval 0 < x < 2?

increasing