

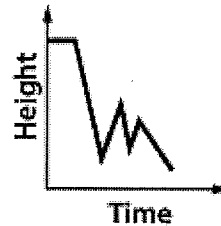
## Chapter 1 Review Questions

- Evaluate:  $3^4$
- Simplify:  $5 * 5 - 1 * 2$
- Distribute:  $4(2x - 3)$
- $f(x) = 3x - 7$  What is the value of  $f(-2)$  ?
- Find the value of  $2a - (3b - c)$  if  $a = 5$ ,  $b = 3$ , and  $c = 6$
- Simplify:  $3x + 2(5x - 3)$
- Simplify  $3a + 2b + 2a - b + 5b$
- Which of the following is the solution to the equation  $4x - 5 = 7$  ? {1, 2, 3, 4}

The graph represents the height of a bungee jumper.

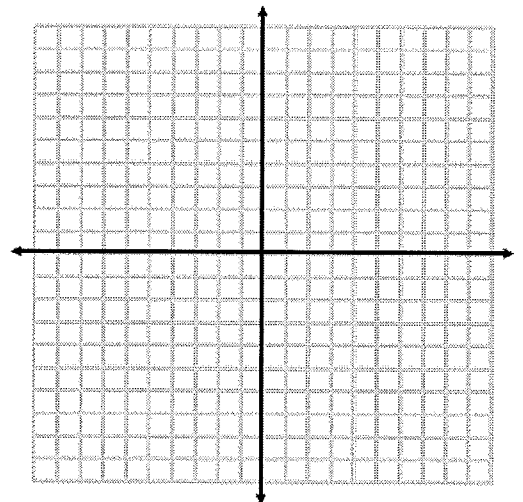
Describe what is happening in the graph to the right.

Name the independent and dependent variables on the graph to the right.



Plot the points on the graph.

- A. (3, -5)   B. (-2, -8)   C. (0, 5)   D. (-5, 1)



**Chapter 1 Review Questions**

- Evaluate:  $3^4$

$$3 \cdot 3 \cdot 3 \cdot 3 = 81$$

- Simplify:  $5 \cdot 5 - 1 \cdot 2$

$$25 - 2 = 23$$

- Distribute:  $4(2x - 3)$

$$8x - 12$$

- $f(x) = 3x - 7$  What is the value of  $f(-2)$ ?

$$f(-2) = 3(-2) - 7$$

$$-6 - 7 = -13 \quad f(-2) = -13$$

- Find the value of  $2a - (3b - c)$  if  $a = 5$ ,  $b = 3$ , and  $c = 6$

$$2(5) - (3(3) - 6) = 10 - (9 - 6)$$

$$10 - 3 = 7$$

- Simplify:  $3x + 2(5x - 3)$

$$3x + 10x - 6$$

$$13x - 6$$

- Simplify  $3a + 2b + 2a - b + 5b$

$$5a + 6b$$

- Which of the following is the solution to the equation  $4x - 5 = 7$ ? {1, 2, 3, 4}

$$4(3) - 5 = 7$$

$$12 - 5 = 7$$

$$7 = 7$$

(3)

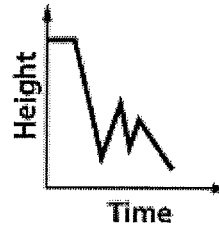
The graph represents the height of a bungee jumper.

Describe what is happening in the graph to the right.

trampoline

Name the independent and dependent variables on the graph to the right.

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Plot the points on the graph.

- A. (3, -5)    B. (-2, -8)    C. (0, 5)    D. (-5, 1)

