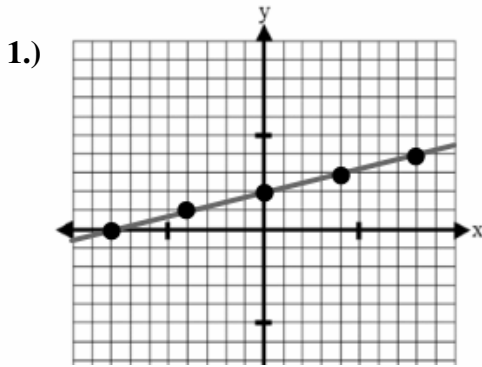


SHOW ALL WORK! Read all directions carefully.



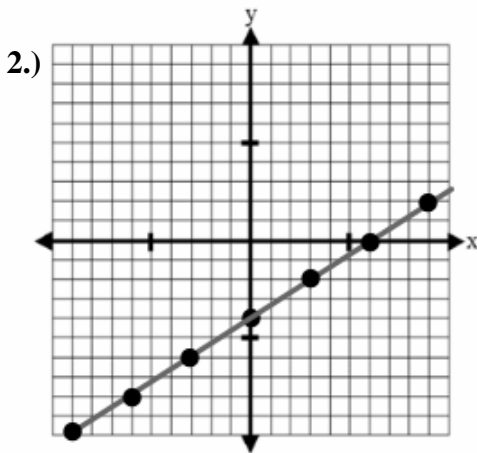
x	y

Start Point: (0 ,)

Highlight the start point on the graph.

Pattern: _____

Equation:



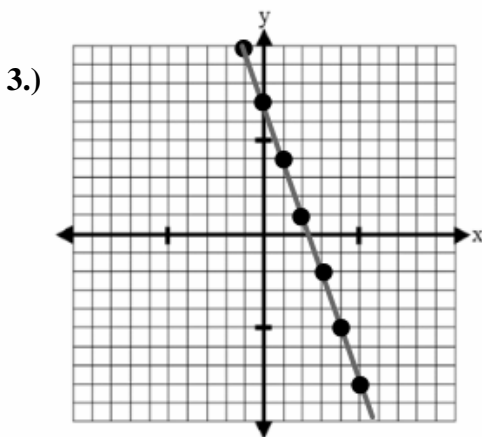
x	y

Start Point: (0 ,)

Highlight the start point on the graph.

Pattern: _____

Equation:



x	y

Start Point: (0 ,)

Highlight the start point on the graph.

Pattern: _____

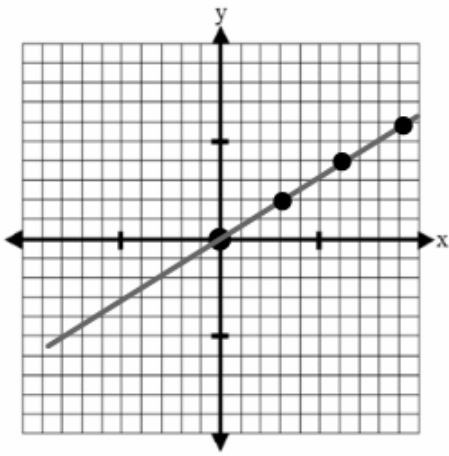
Equation:

Follow-Up Questions:

a.) Looking at your graphs, **where are all the starting points located?** Be descriptive.

b.) Think Backwards: Given the equation $y = 6 + 4x$, what is the **starting point?** (,).
If you were to graph it, where would you put it? Be descriptive.

4.)

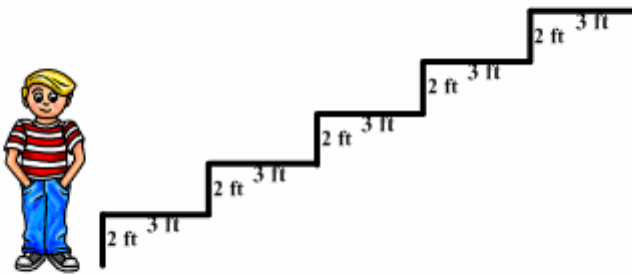


x	y

Pattern Only: _____

5.)

The picture below describes how a person walks up the stairs. Describe how the boy gets to the top of the stairs. Hint: think patterns.

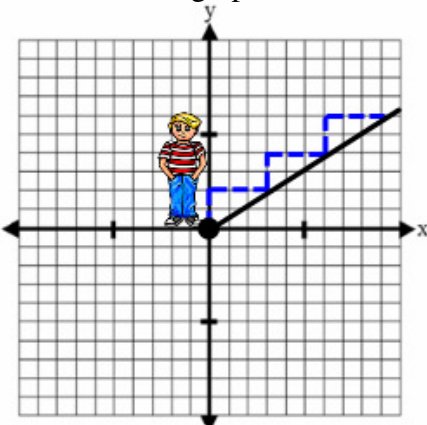


Steps up _____ feet.
Walks across/right _____ feet.

Steps up _____ feet.
Walks across/right _____ feet.

Steps up _____ feet.
Walks across/right _____ feet.

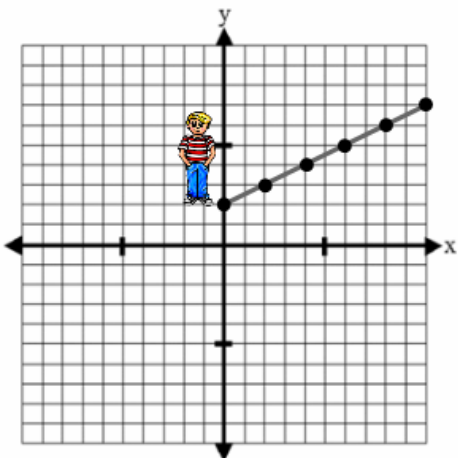
Now, look at it on a graph. It is the same pattern. Compare it to the graph and **pattern of #4** above.



What do you notice?

The pattern (stairs) is the **SLOPE** of the line.

6.)



a.) Draw in your own staircase.

b.) Count the squares to find the **SLOPE**.

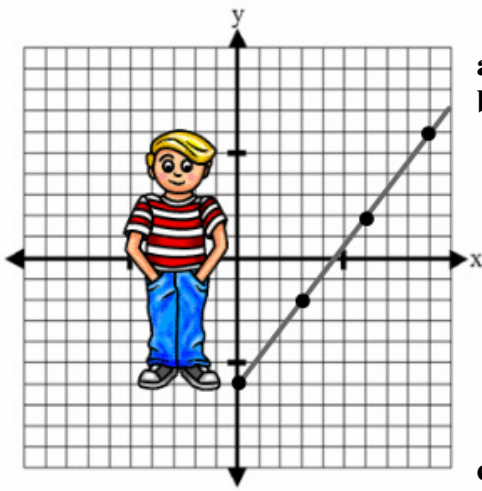
Steps up _____ feet.
Walks across/right _____ feet.

Steps up _____ feet.
Walks across/right _____ feet.

Steps up _____ feet.
Walks across/right _____ feet.

c.) What is the line's slope? _____

7.)

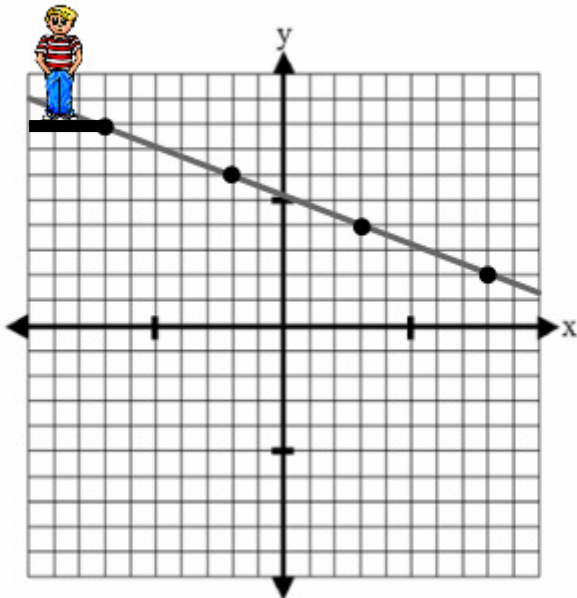


- a.) Draw in your own staircase.
- b.) Count the squares to find the SLOPE.
 Steps *up* _____ feet.
 Walks *across/right* _____ feet.
- Steps *up* _____ feet.
 Walks *across/right* _____ feet.
- Steps *up* _____ feet.
 Walks *across/right* _____ feet.
- c.) What is the line's **slope**? _____

8.) What happens if you plan on going down a set of stairs?

a.) If you are at the top of the stairs, how do you step first: **up, down, left or right**?

b.) Based on the first move, we draw our stairs.



Did you draw your stairs under the line or over the line?

Why?

c.) Count the squares to find the SLOPE.

Steps *down* _____ feet.
 Walks *across/right* _____ feet.

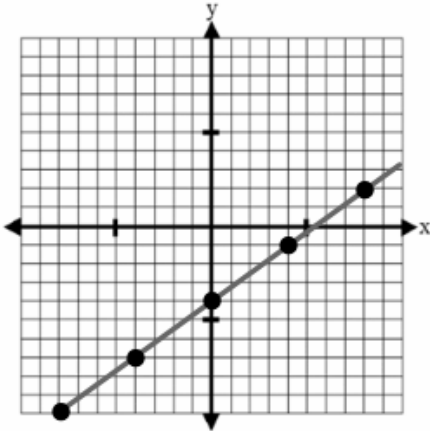
Steps *down* _____ feet.
 Walks *across/right* _____ feet.

Steps *down* _____ feet.
 Walks *across/right* _____ feet.

d.) What is the line's **slope**? _____ (*down*)

Try the next few exercises; remember to always work from left to right. Find the start point and slope for each graph. Use the above examples to help you.

1.)



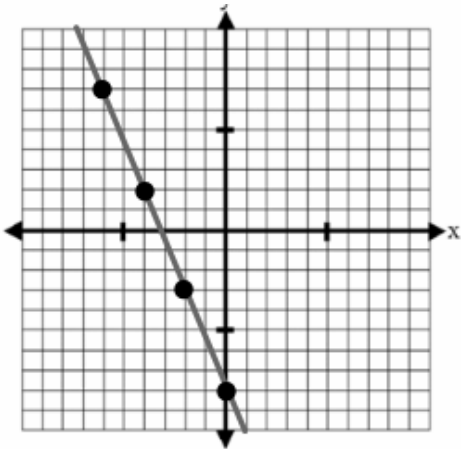
Highlight the start point.

Start point: (,)

Draw in your staircase.

Slope: _____

2.)



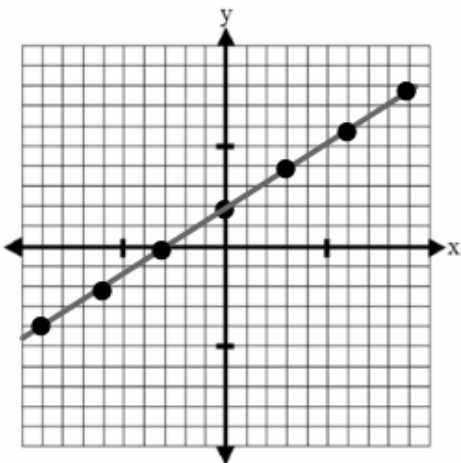
Highlight the start point.

Start Point: (,)

Draw in your staircase.

Slope: _____

3.)



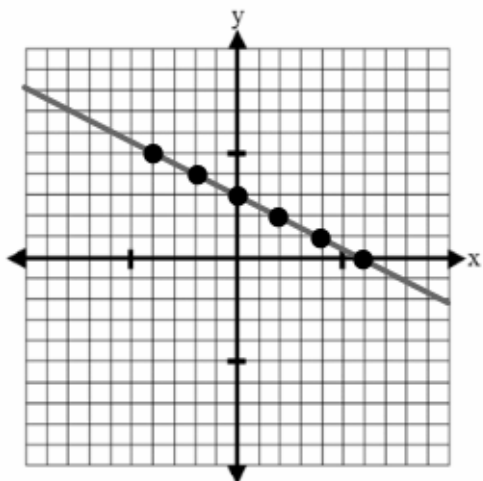
Highlight the start point.

Start Point: (,)

Draw in your staircase.

Slope: _____

4.)



Highlight the start point.

Start Point: (,)

Draw in your staircase.

Slope: _____