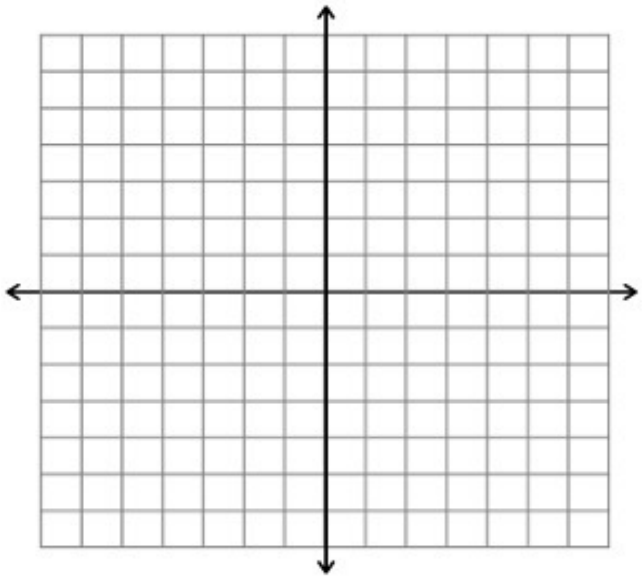
Name:
Pd:
Graphing Linear Equations



On the graph to the left, graph the following equations:

a) y=1*x*

b) y=2*x*

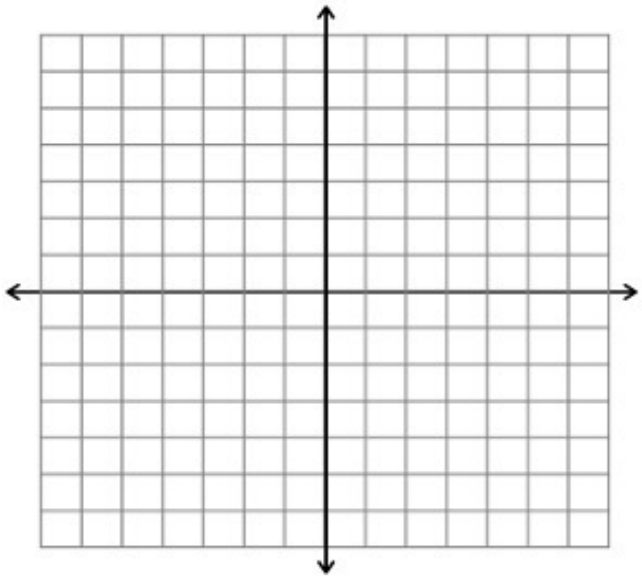
c) *y*=1/2 *x*

1) Use the graphs above to answer the following questions:

a) In the graphs, did you change the slope or the y-intercept?

b) How did those changes affect the graph?

Name:
Pd:
Graphing Linear Equations



On the Graph to the left, graph the following equations:

a) y=x

b) y=x+3

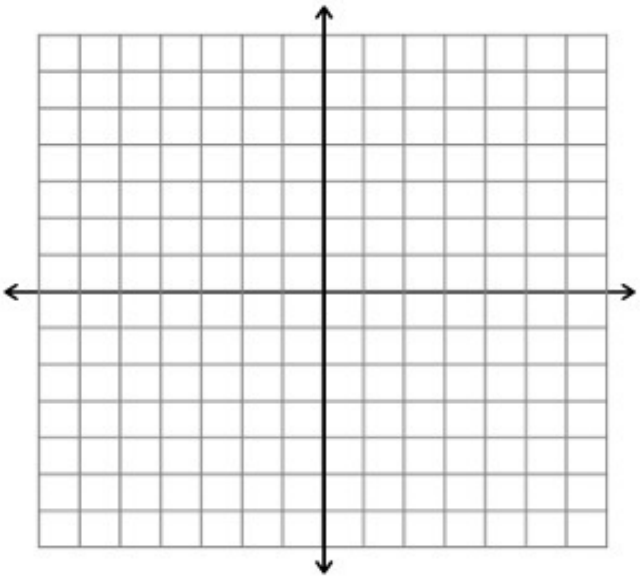
c) y=x-3

2) Use the graphs above to answer the following questions:

a) In the graphs, did you change the slope or the y-intercept?

b) How did those changes affect the graph?

Name:
Pd:
Graphing Linear Equations
3) Given the graph of y=3x+2 below, answer the following questions…



a) What would happen to the graph if you changed the y-intercept to 5?

b) What would happen to the graph if you changed the y-intercept to -3?

c) What would happen to the graph if you changed the slope to 1/3?

d) What would happen to the graph if you changed the slope to -3?

e) What would happen to the graph if you changed the slope to 2?

Name:
Pd:
Graphing Linear Equations
4) Confirm your answers to #3 by graphing the following equations:

a) y=3x+5

b) y= 3x-3

c) y=1/3x+2

d) y=-3x+2

e) y=2x+2