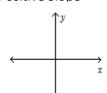
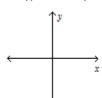
Slope

1) Draw a line with...

Positive Slope



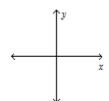
Negative Slope



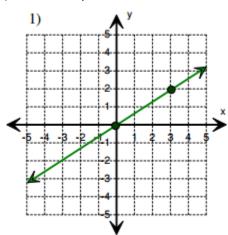
Zero Slope

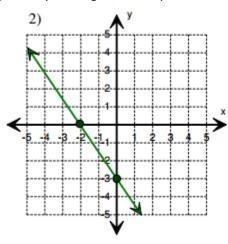


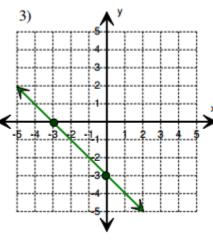
Undefined Slope



2) Find the slope of each of the following lines by making a stair-step.







Slope =

Slope =

Slope = ____

3) Find the slope given two coordinates. Show your work.

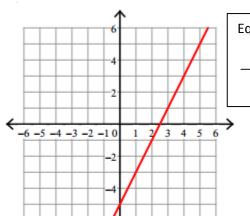
Slope =

Slope =

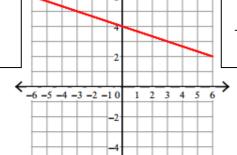
Slope =

Slope Intercept Form

4) Write the equation of the line in slope intercept form.



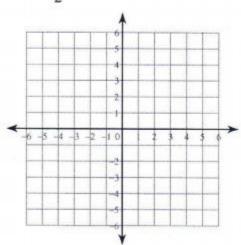
Equation:



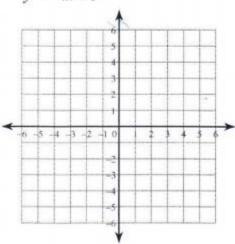
Equation:

5) Graph the equation using the slope and y-intercept.





$$y = -4x + 5$$



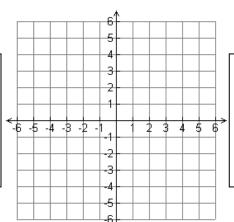
Standard Form

6) Graph each equation using the x and y intercepts.

x + 2y = 6

x-int: _____

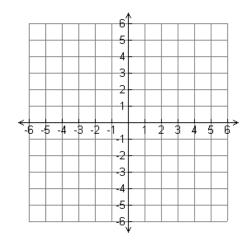
y-int: _____



$$4x - 2y = 12$$

x-int: _____

y-int: _____



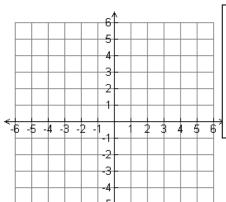
Point Slope Form

7) Graph using the point and slope.

y - 2 = -3(x - 5)

point:

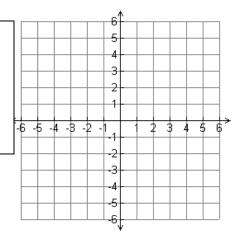
slope: _____



$$y + 5 = \frac{2}{3}(x + 4)$$

point: _____

slope: _____



8) Write an equation in the requested form of the line given information about the graph.	
a) slope = 3; y-intercept = -4	slope-intercept form:
	standard form:
b) Through the point $(4, -5)$ with a slope of $\frac{1}{2}$.	point-slope form:
	slope-intercept form:
	standard form:
c) Through the points $(-2,8)$ and $(-3,-4)$.	point-slope form:
	slope-intercept form:
	standard form:
d) Through (-3, -8) and perpendicular to $y = -4x + 2$	point-slope form:
	slope-intercept form:
	standard form:
e) Through (5, -2) and parallel to $y = -\frac{1}{2}x + 5$	point-slope form:
	slope-intercept form:
	standard form:
f) Through (-1, 3) and parallel to $3y = x - 21$	point-slope form:
	slope-intercept form:
	standard form:
g) Through (4, -8) and perpendicular to $2y-4=-16x$	point-slope form:
<u> </u>	slope-intercept form:
	standard form:
h) A continual line through (1 5)	
h) A vertical line through $(1, -5)$	(any form):
i) A horizontal line through $(-2,8)$	(any form):