Mat	h 041 Assignment 1.3	Last Name:	1st
Instructions : Write complete legible solutions to the following problems in the space provided. Be sure to supply all the necessary steps that lead to your answers.			
1.	Find the slope of the line that con $P_1(-2,1), P_2(6,4)$	tains the given points	Ans
2.	Find the equation of the line that $P_1(4,1), P_2(-4,3)$	passes through the points	Ans
3.	Find the equation of the line with intercept $y = -1$	x intercepts x=3 and y	Ans
4.	Give an example of equation of a Positive slope.	line that have the defining ch	aracteristics . Ans
	Negative slope		Ans
	Line with slope equal zero		Ans
	Line with undefined slope.		Ans
	Two parallel lines.		Ans
	Two perpendicular lines.		Ans
			Page -1-

Page -1-

5.	For the given the equation of the line find : $3x + 2y = -6$ The x intercepts.	Ans
	The y intercept.	Ans
	The equation of a line in standard form.	Ans
	The equation of a line in slope intercept form.	Ans
6.	Find the equation of the line that satisfies the following conditions. both slope intercept form and standard form.	Write your answers in
a.	Passes through the points $P_1(-1,1)$, $P_2(6,-5)$	Ans
b.	Passes through $(3,5)$ and has a slop -3 ual .	Ans
c.	Passes through $(-2, -4)$ and parallel to the line $2x + 3y = 9$	Ans
d.	Passes through $(-2, -4)$ and perpendicular to the line $3x + 2y = -4$.	Ans
e.	Has y intercept $y = 2$ and slope equal zero.	Ans
f.	Has x intercept $x = 3$ and slope equal 3.	Ans
g.	Passes through (2,200) and has an undefined slope.	Ans