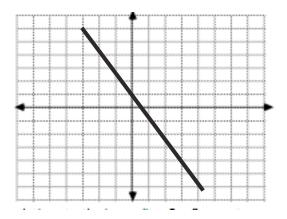
MATH-125 TEST 3 (Chapters 3) SPRING 2010

100 points

	NAME:					
Show all work on this paper - no scratch paper. No credit will be given for solutions if work is not shown						
Circle T for True, F for False. (3 points each)						
Т	F (1) The slope of a line parallel to $2x + y = 7$ is 2.					
Т	F	F (2) If a line rises from left to right, its slope is positive.				
•	•	(2) If a line root is in our to right, the diope to positive.				
Т	F	(3) y=4 is the equation of a vertical line.				
ı	Г	(3) y=4 is the equation of a vertical line.				
_	_					
Т	F	(4) $(-2,3)$ is a solution to $2x - 3y < 7$.				
Τ	F	(5) The slope of a horizontal line is zero.				
Fill in the blanks with the most appropriate answer. (3 points each)						
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(C) T	امام ما	and a line representational and a second a second and a second a second and a second a second and a second an				
(b) I	(6) The slope of a line perpendicular to $y = 3x - 1$ is					
(7) T	(7) The ordered pair $(____, 3)$ is a solution to the equation $11x-5y=7$.					
(8) The v intercent of the line $5x = 2y = 8$ is						
(8) The y intercept of the line $5x - 2y = 8$ is						
(9) Given an equation in two variables, the graph of the line represents what?						
(10) The slope of a vertical line is						
(10) The stope of a vertical line is						
(11) Find the clane for each of the following lines:						
(11) Find the slope for each of the following lines:						
	(a)	-4x + 3y = 7				
(b) The line containing the points $\left(\frac{1}{2},3\right)$ and (4, 1)						
(2,5) and $(3,7)$						
	, ,					
	(c) The line graphed below:					



- (12) Graph the solutions to the inequality 5x 2y < 10.
- (13) Find the equation of each of the following lines. Express your answer in slope intercept form.
 - (a) The line through (0,5) and having slope 6.
 - (b) The line through (3,1) and (-4,3)
 - (c) The line through (-3,2) and (6,2).
 - (d) The line through (-3,5) and parallel to the line 2x+5y=7
 - (e) The line through (0,8) and perpendicular to $y = \frac{2}{3}x 1$
- (14) Graph each of the following lines. Label two points ON your graph.
- (a) y = 7x

- (b) 3x 5y = 6
- (c) The line which passes through the point (1, -2) and has slope 5/4.
- (d) $y = -\frac{1}{5} x 4$