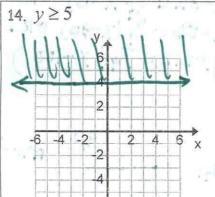
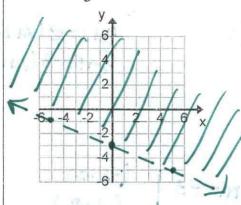
slopes are y=8x+2hot the same - \_\_\_\_\_\_ slopes are opp/reciprocal also not opposited

12.  $y=5-\frac{1}{8}x$   $m=\frac{7}{8}$  y=8x+2  $m=\frac{7}{8}$ 

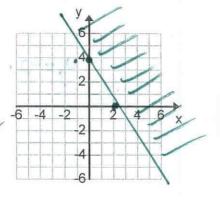
13.  $\frac{-3x + 4y = 15}{9x - 12y = 24}$ 

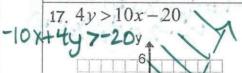
Graph each inequality.

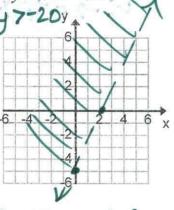




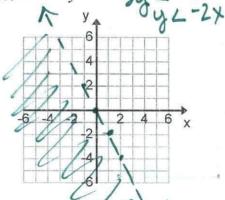
16.  $4x + 2y \ge 8$ 



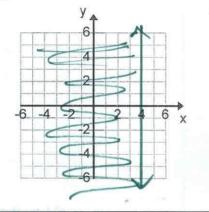




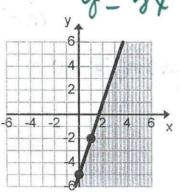
18. 6x+3y<0  $3y \angle -6x$ 



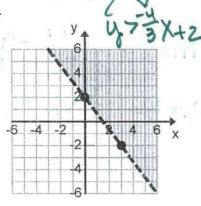
19.  $x \le 4$ 



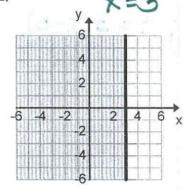




21.



22. \*



## Algebra II

Write the equation for each line in point slope form. (4-4) = m (x-

1. line through (-5,7) and (3,-4)

m=	-4-7	= 3
79-7= 363	(X+5)	OP
4+4= 3	(x-3)	

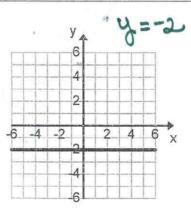
2. line through (-4,7) and (-4,5)

ho -	5-	1	5-1
111-	-4-	4=	0
	NO	210	pe

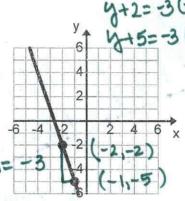
r		_	_	_	-
1	X	=	•	4	

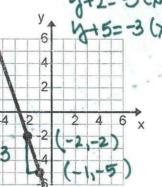
X	0	30	100
У	32	86	212

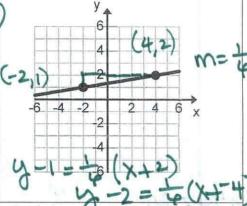
4.



5.







7. Each week Michelle record the average length of her standing long jump. Write an equation for the length of the long jump as a function of her number of weeks practicing.

Michelle's	Long Jump
Week (w)	Jump (cm)
1	175
2	178
3	181
4	181

B) If she improves at the same rate what will her jump length be by the 8th week?

Write the equation for each line in point slope form.

8. line parallel to y = 3x + 4through (0,9) and m=3

9. line through (0,-4) and

perpendicular to 
$$y = \frac{5}{9}x + 4$$

10. perpendicular to y = 3x

through (6,-2).

Determine whether each pair of lines is parallel, perpendicular or neither, and Why or Why not.