

1. a) Parallel 5y=10-3x 5 5 5  y=2-3x 5	(-2,7)	$y-y_1 = m(x-x_1)$ $y-7 = \frac{-3}{5}(x-2)$ $y-7 = \frac{-3}{5}(x+2)$
Perpendicular $b \times = 3y + 9$ $6 \times -9 = 3y$ $3 = 3$ $2x - 3 = y$ $2 = perp1$	x-int (7,0)	$     \begin{array}{ccccccccccccccccccccccccccccccccc$

c) 
$$(-3,8)(5,2)$$
 $y-y_1 = m(x-x_1) (-3,8)$ 
 $y-8 = -\frac{3}{3}(x+3)$ 
 $y-8 = -\frac{3}{3}(x+3)$ 
 $y-32 = -3(x+3)$ 
 $y-32 = -3x-9$ 
 $y-32 = -3x-9$ 

c) OR 
$$y-2=-3(x-5)$$
 $4y-8=-3(x-5)$ 
 $4y-8=-3x+15$ 
 $3x+4y-23=0$ 

d)  $x-int=4$ 
 $(4,0)$ 
 $(0,3)$ 
 $y=-2$ 

d) x-in+=4 (4,0)	y = int = 3 (0,3) (=-2)	$y-y_1 = m(x-x_1)$ y-0 = 3(x-4)
m=42-4	,	7 -4
= 3-0		oR
0-4 = 3 -4	= -2	y-y, = m(x-x,)
	= 1/2	y-3 = 3(x-0)
e) Perp. to y.axis	y-in+= 3	
× 0	(0,3)	$y-y_1 = m(x-x_1)$ y-3 = o(x-o)
New Year		y - 3 = 0

20)	4 x + 3 y + 10 = 0	
	$\frac{3y}{3} = -4$	× -10 3
	$y = -\frac{4}{3}$	× -10
b)	$y - 8 = \frac{3}{5}(x - 11)$	
	5y - 40 = 3(x - 11) + 40 $5y - 40 = 3x - 33 + 40$ $5y - 40 = 3x + 7$ $5y = 3x + 7$ $5y = 3x + 7$	Plat Natural Control
	$y = \frac{3}{5} \times + \frac{7}{5}$	

3. Slope = 
$$\frac{7}{5} \times \frac{7}{5}$$
 $y = m \times t$ 
 $y = -\frac{7}{2} \times -7$ 
 $y = -\frac{7}{2} \times -7$