Piecewise Functions  

$$f(x) = \begin{cases} 2x^{2}-3 & x < -2 & f(3) = 4(3) + 1 \\ = 13 \\ 4x + 1 & -2 \le x \le 4 < \\ -5 & x > 4 & f(-5) = 2(-5)^{2}-3 \\ = 2^{+}25^{-3} \\ = 2^{+}25^{-3} \\ = 2^{+}25^{-3} \\ = 2^{+}25^{-3} \\ = 47^{-3} \\ f(176) = -5 & = 50^{-3} \\ = 47^{-3} \\ f(176) = -5 & = 47^{-3}$$

3) Slope 
$$y = \frac{4}{7}x+8$$
  $m=\frac{4}{7}$   
 $g_{x}-Gy=9$   $m=-\frac{4}{B}=-\frac{2}{-C}=\frac{1}{3}$   
 $x = 5$  Undef. Slope  
 $(7,-4) + (8,3)$   $m=-\frac{3--4}{9-7}=7=7$   
4) Find Slopes parallel= same slope  
 $parp = Opp. reciproce 9$   
5) Find  $x + y - init$   
 $2x - 4y = 8$   
 $-\frac{4}{9}O = x - init (9,0)}{O(-2 - 2 - y - init (0,2))}$ 

7-9) Write eq. of lines <u>Slope-int</u> <u>Point-slope</u> <u>y=mx+b</u> <u>y-yi=m(x-xi</u>)