$$y = 3(5)^{2} - 2$$
 $y = 3(5)^{-1} \times 2$ 
 $y = 3(5)^{-1} \times 2$ 

En=at(n-1)d

Not Responsible for Midtern or Exam

$$y = -\frac{2}{2}x^{2} + \frac{1}{2}x - 3$$

$$y = -\frac{2}{2}(x^{2} - 6x + 9) - 3 + 18$$

$$y = -2(x - 3)^{2} + 15$$

(3,15)

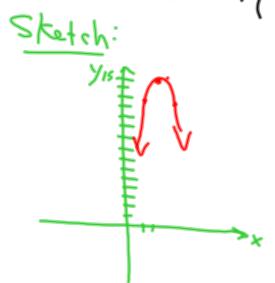
Newfax: (3'12) Downin: XEB

D: C. Jern: Donn

Range: y \le 15

Axis of Sym: X=3 Max. or Min. => Max. =15

 $\frac{Mapping:}{(x,y) \rightarrow (x+3,-2y+15)}$  $\rightarrow$  (x+h, ay+t)



$$\frac{1}{3^{2}} = \frac{1}{3^{2}} =$$

$$e^{x} \cdot 2x^{2} - x - 5 = 4$$
 $2x^{2} - x - 9 = 0$ 
 $x = 1 \pm \sqrt{(-1)^{2} - 4/2)(-9)}$ 
 $x = \frac{1 \pm \sqrt{73}}{4}$ 

#7) 
$$\chi = -3$$
  $\chi = \frac{2}{5}$   
 $\chi + 3 = 0$   $5x = 2$   
 $5x - 2 = 0$   
 $(x + 3)(5x - 2) = 0$   
 $5x^2 + 1/3x - 6 = 0$