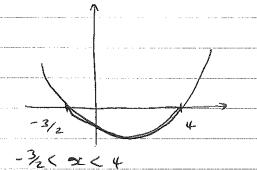
$$5x - 3 > 7$$

$$6/20c^2-5x-12<0$$

$$(2x+3)(x-4)<0$$

$$0c = -3/2$$
 $\infty = 4$



$$2/2c^2 + 3px + p = 0$$

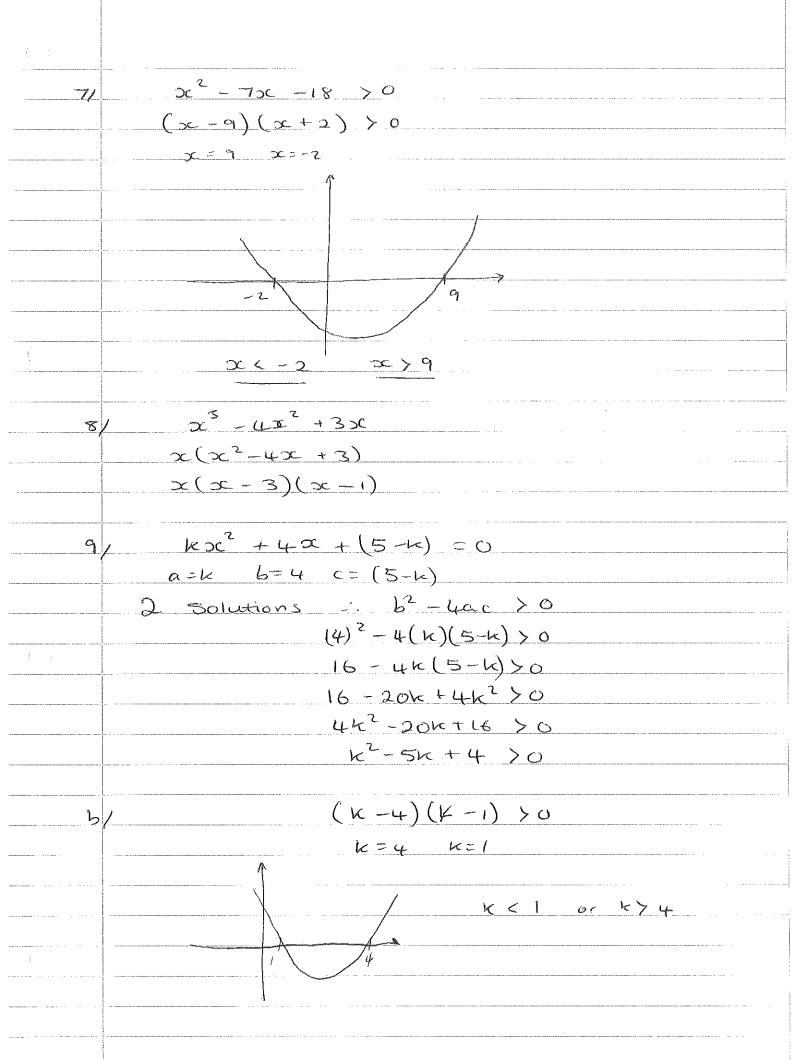
$$(3p)^2 - 4(1)(p) = 0$$

$$9p^2 - 4p = 0$$

$$p(9p-4) = 0$$
 $p=0 p=4/9$

$$\mathcal{L}(x^2-9)$$

$$\propto (x+3)(x-3)$$



$$y = y$$

$$x^{2} + 2(w)x + (3(w) + 4) = 0$$

$$x^{2} + 8x + 16 = 0$$

$$(x + 4)(x + w) = 0$$

$$x = 4$$

$$6x + 3 > 5 - 2x$$

$$8x > 2$$

$$x > 4/4$$

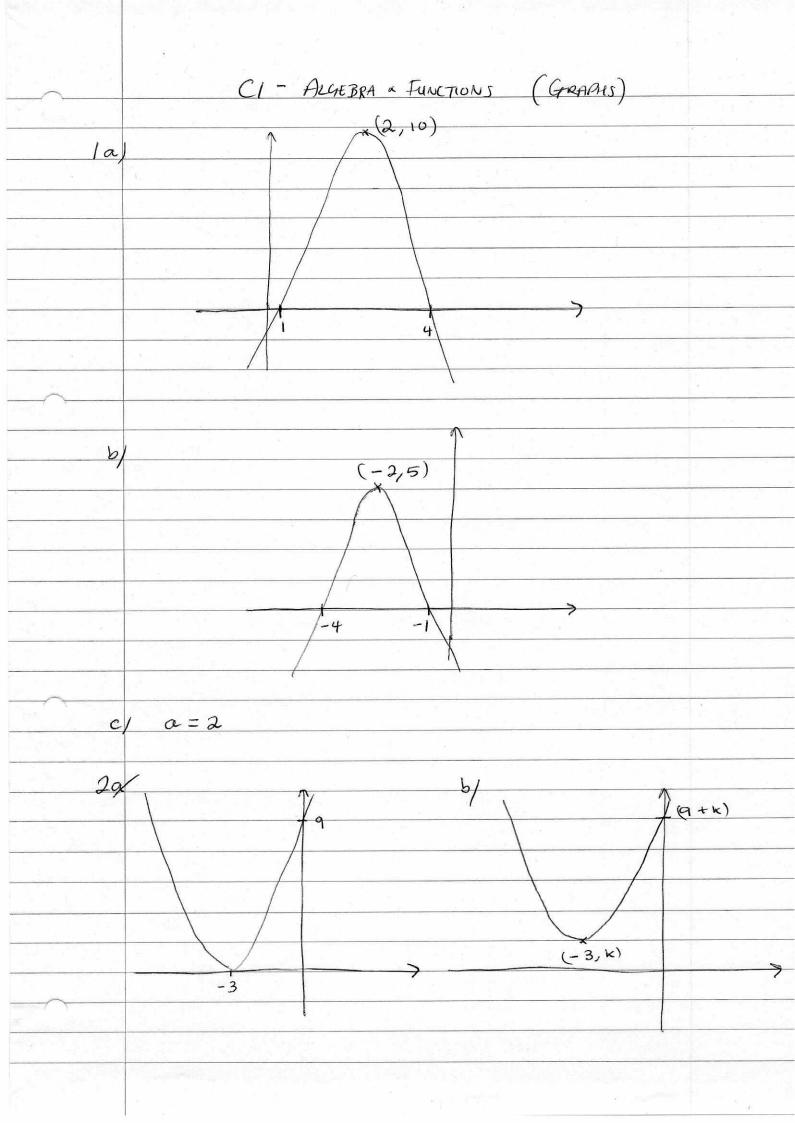
$$(2x - 1)(x - 3) > 0$$

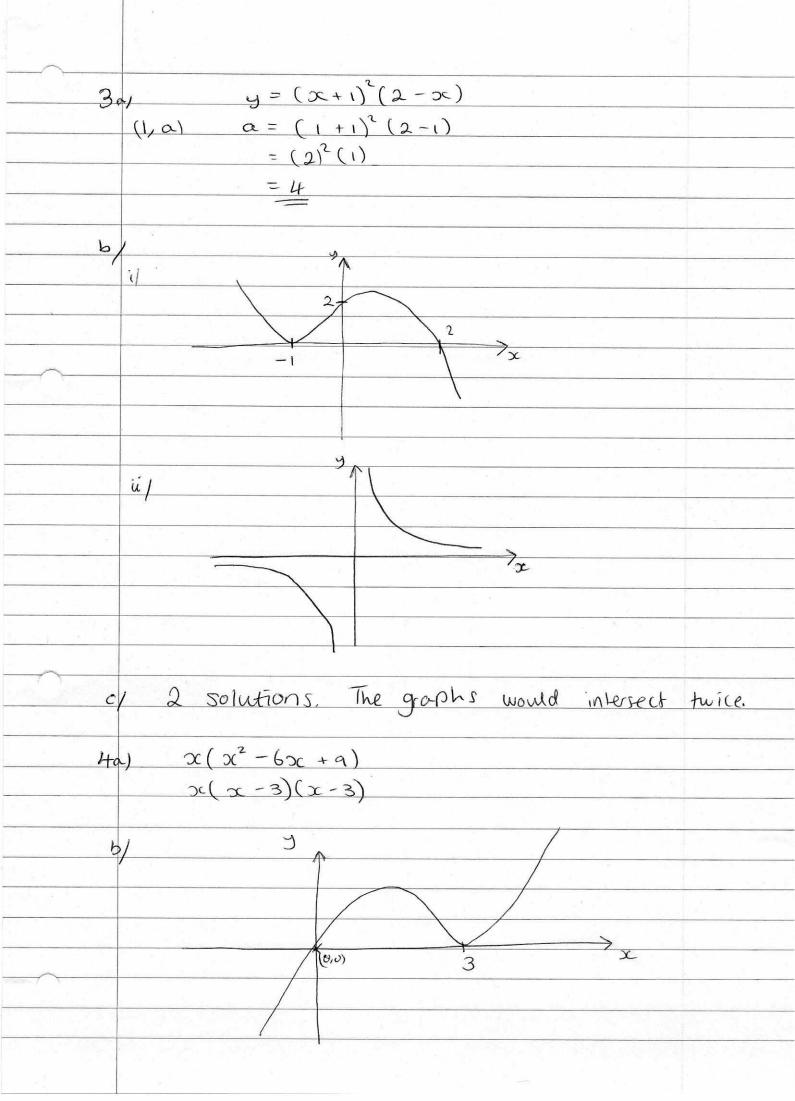
$$x = 4/2 \qquad x = 3$$

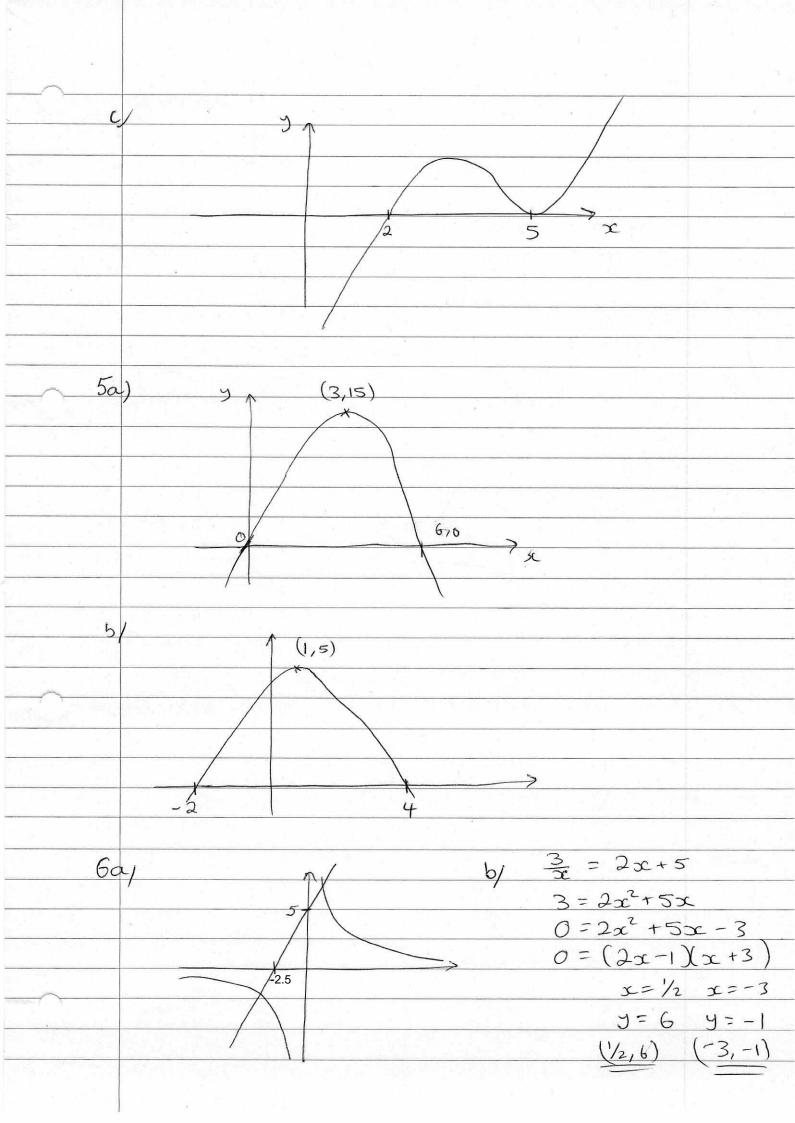
$$x =$$

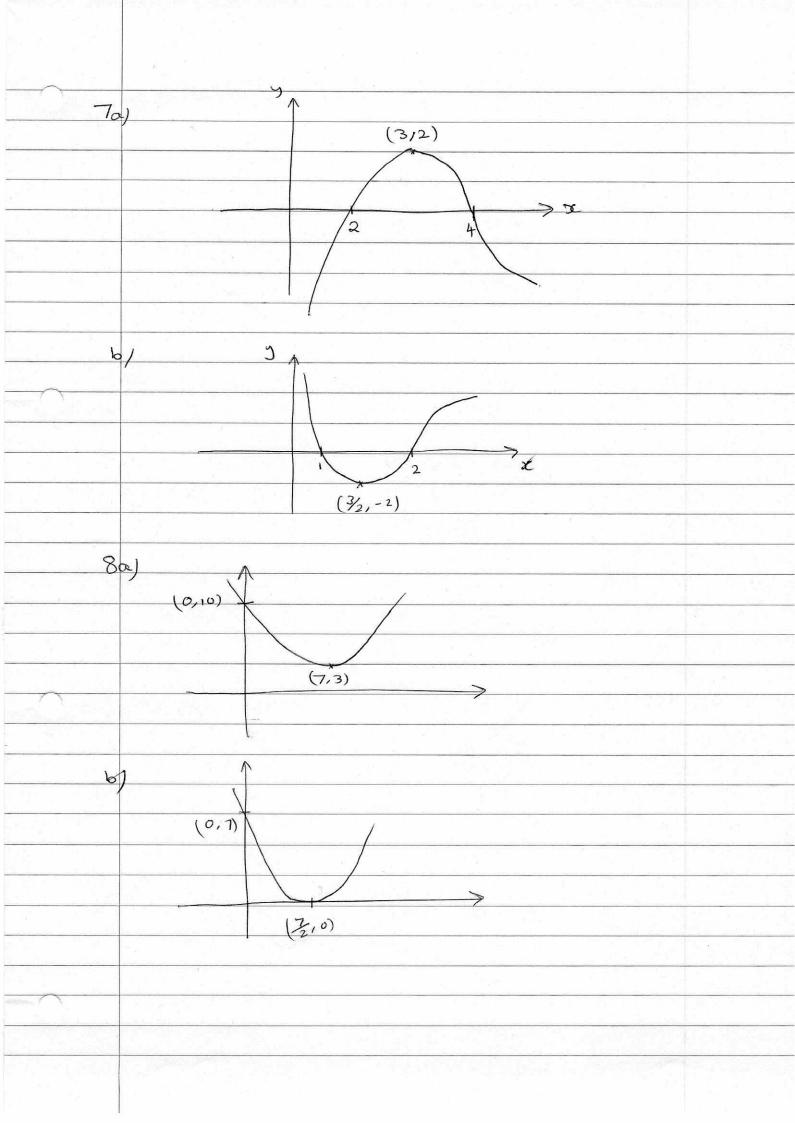
K=6

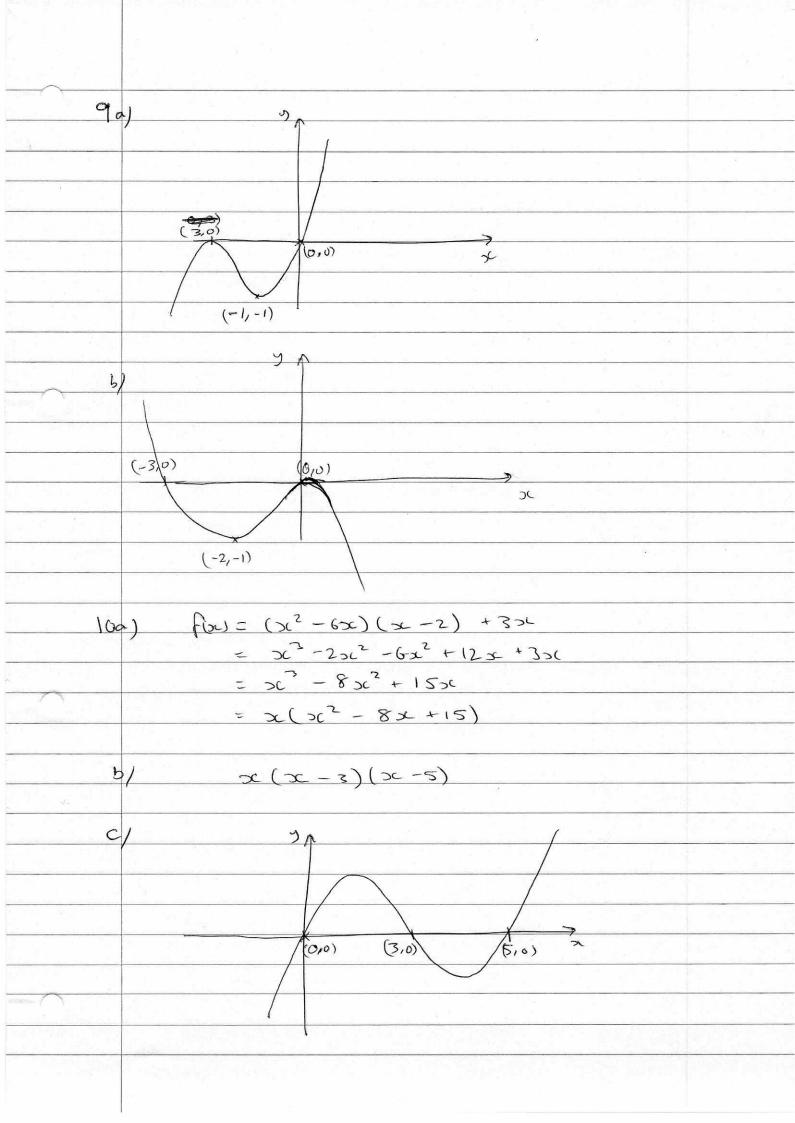
 $x^2 + 2x + 3$ 1901 $(x+1)^2+2$ $a = 1 \quad b = 2$ $y = x^2 + 2x + 3$ (-1, 2)e) b2-4ac $(2)^2 - 4(1)(3)$ 4 - 12 - 8 as $b^2 - 4ac < 0$ there are no solutions to $x^2 + 2x + 3 = 0$ it does not cross the or axis of 22+kx+3=0 a=1 b=k c=3 $b^2 - 4ac < 0$ $k^2 - 4(1)(3) < 0$ k2-12 <0 $k^2 = n$ $\frac{k^2}{k} < 12$ k = - 1/12 -J12 < K < J12 $-2\sqrt{3} < k < 2\sqrt{3}$

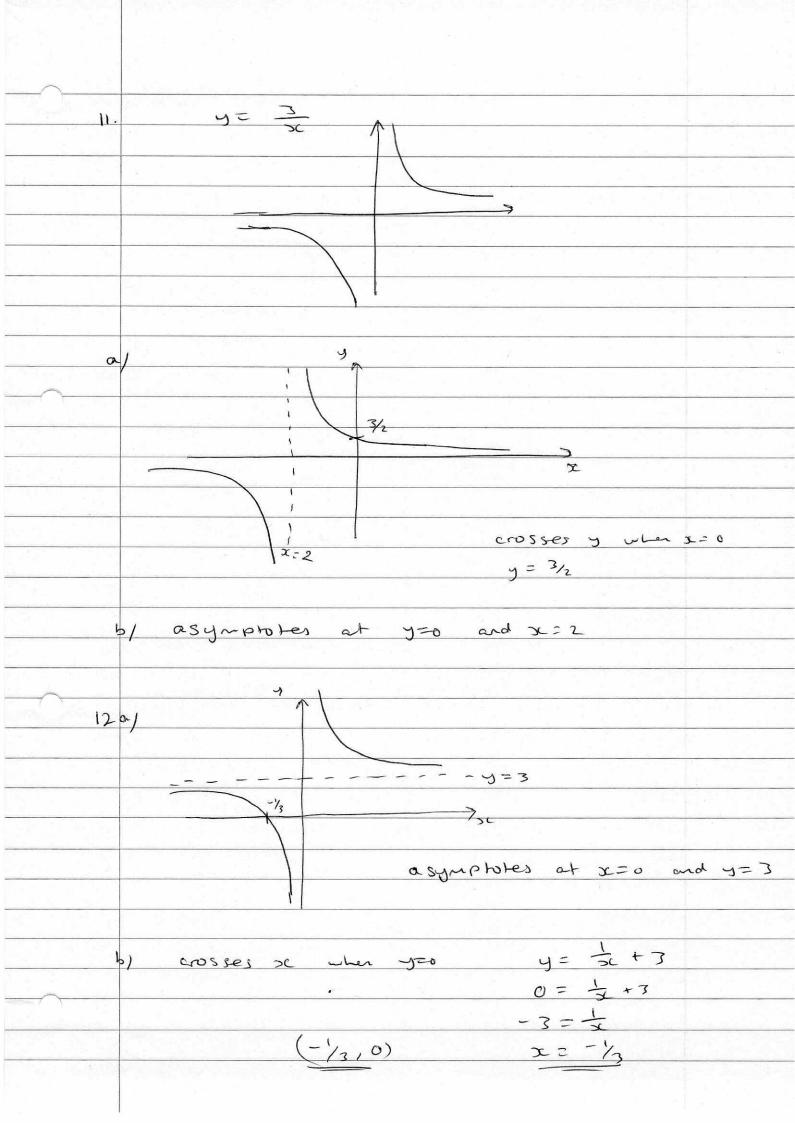


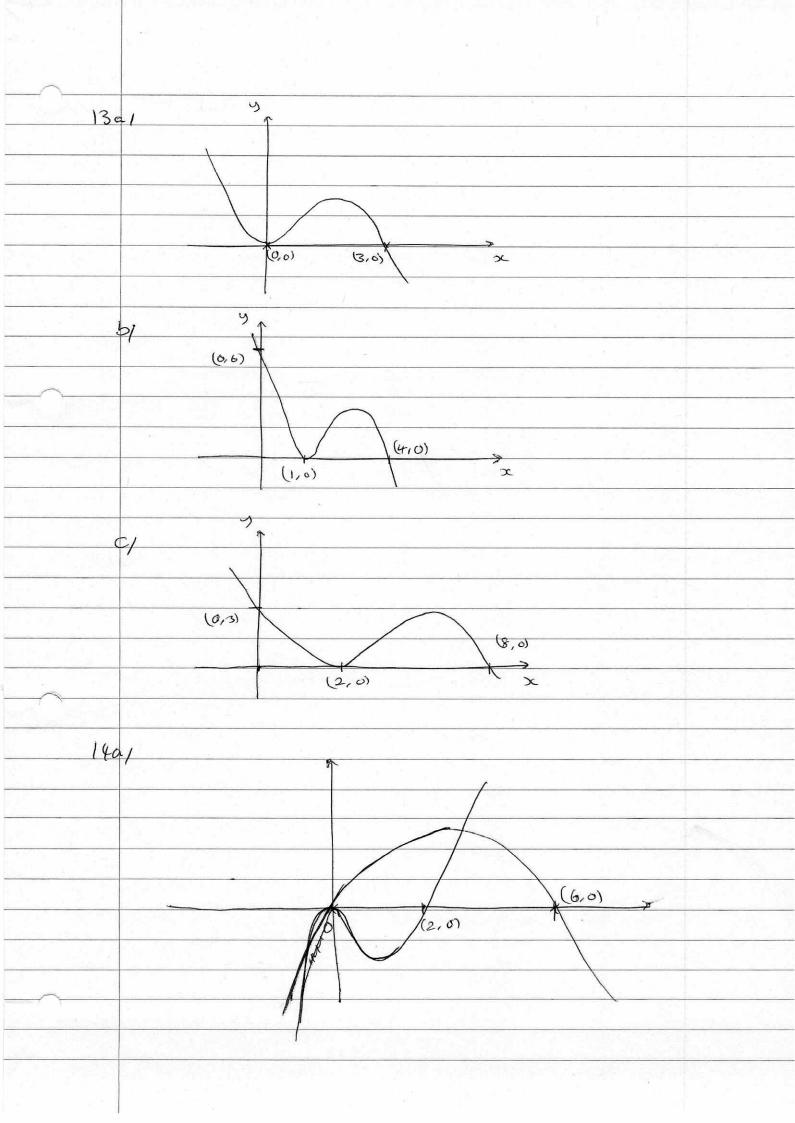












5) $x^2(x-2) = x(6-x)$ $x^{3} - 2x^{2} = 6x - x^{2}$ $x^{3} - x^{2} - 6x = 0$ $x(x^2-x-6)=0$ >(>(>(>(>) (>(+2) = 0 x=0 x=3 x=-2 when x=0 y=0 when x=3 y=3(6-3)= 9 we sc=-2 = y=-2(6--2) = -16 (0,0), (3,9), (-2,-16)Ho.