

Question 2



a)
$$y = x^2 + 3x$$

$$4 = 2x + 3$$

$$(\frac{1}{2},5)$$

b) i)
$$y-y' = 5-3$$

$$=\frac{2}{-6}$$
 $M = -\frac{1}{3}$

$$y-3=-\frac{1}{3}(x-4)$$

$$4-3 = -\frac{1}{3}x + 1\frac{1}{3}$$



(ii)	
	The state of the s