4	(a)	Find the coordinates of the stationary points on the curve $y = x^3 - 6x^2 + 9x$ .	[4]
	(b)	The equation $x^3 - 6x^2 + 9x + k = 0$ has exactly one real root.	

Using your answers from part (a) or otherwise, find the range of possible values of k.