5	In this question you must show detailed reasoning.	
	This question is about the curve $y = x^3 - 5x^2 + 6x$ .	
	(a) Find the equation of the tangent, $T$ , to the curve at the point $(0, 0)$ .	[3]
	<b>(b)</b> Find the equation of the normal, $N$ , to the curve at the point $(1, 2)$ .	[3]

(c) Find the coordinates of the point of intersection of T and N.