9	The equation of a curve is $y = x^3 + px^2$, where p is a positive constant.	
	(i) Show that the origin is a stationary point on the curve and find the coordinates of the stationary point in terms of <i>p</i> .	e other [4]
	(ii) Find the nature of each of the stationary points.	[3]
	Another curve has equation $y = x^3 + px^2 + px$.	
	(iii) Find the set of values of p for which this curve has no stationary points.	[3]