(a)	Show that $k = -2$.	
(b)	Find the equation of the curve.	
		••••

	Find the coordinates of the stationary point.	[3]
		•••••
		•••••
		•••••
l)	Determine the nature of the stationary point.	[0]
	Determine the nature of the stationary point.	[2]
		[2]
	Determine the nature of the stationary point.	
	Determine the nature of the stationary point.	

.....