(a)	Find the value of $a$ .	
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<b>(b)</b>	Determine the nature of this stationary point.	
(b)	Determine the nature of this stationary point.	
<b>(b)</b>	Determine the nature of this stationary point.	
<b>(b)</b>	Determine the nature of this stationary point.	
<b>(b)</b>	Determine the nature of this stationary point.	
(b)		

(c)	Find the equation of the curve.	[3]
( <b>d</b> )	Find the coordinates of any other stationary points on the curve.	[2]
( <b>d</b> )	Find the coordinates of any other stationary points on the curve.	[2]
(d)	Find the coordinates of any other stationary points on the curve.	[2]
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( <b>d</b> )	Find the coordinates of any other stationary points on the curve.	[2]
(d)	Find the coordinates of any other stationary points on the curve.	
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