

Question	Answer	Marks	Guidance
2	Differentiate to obtain $2x + ax^{-2}$ or equivalent	<b>B1</b>	
	Equate first derivative to zero, substitute $x = -3$ and attempt value of $a$	<b>M1</b>	Must be an attempt at differentiation.
	Obtain $a = 54$	<b>A1</b>	
	Obtain $b = 27$	<b>A1</b>	
		<b>4</b>	