Question	Answer	Marks	Guidance
	Differentiate using quotient rule (or product rule)	**M1**	
	Obtain $\dfrac{x - 2x\ln x}{x^4}$	**A1**	OE
	Substitute $x = \mathrm{e}$ to obtain $-\dfrac{1}{\mathrm{e}^3}$ or exact equivalent	**A1**	
		3	