Question			Answer	Marks	AO	Guidance
1			**DR**			
			$\ln\left(\frac{x^3}{5x^2}\right) = \ln 2$	**M1**	**1.1**	Correct use of log rule(s) to combine terms, or $\ln\left(\frac{x}{5}\right) = \ln 2$
			$\frac{x}{5} = 2$	**A1**	**2.1**	Correctly remove logs from their equation, accept $\frac{x^3}{5x^2} = 2$
			$x = 10$	**A1**	**1.1**	Answer without working scores 0 (DR).
			Alternative method			
			$\ln(x^3) - \ln 5 - \ln(x^2) = \ln 2$	**M1**		Correct use of log rule to fully separate terms
			$\ln x = \ln 10$	**A1**		Express their equation in the form $\ln x = \ln k$
			$x = 10$	**A1**		
				[3]		