Question		n Answer	Marks	AO	Guidance
10	(a)	Attempt use of product rule	M1	1.1a	Award for sight of two terms
		Obtain $ln(2y-7)$	A1	1.1	
		Obtain + $\frac{2(y+5)}{2y-7}$	A1	1.1	
			[3]		
10	(b)	$(y+5)\ln(2y-7)=0$	M1	1.1	Substitute $x = 0$ and attempt to solve
		$(y+5)\ln(2y-7)=0$ y=-5 or y=4			
		Substitute $y = 4$ into $\frac{dx}{dy} (= \ln 1 + 18)$	M1	3.1a	May attempt to form $\frac{dy}{dx}$ by
					attempting to form the reciprocal.
					Allow any attempt however poor
		Obtain $\frac{dy}{dx} = \frac{1}{18}$	A1	1.1	
		Substitute $y = -5$ into $\frac{dx}{dy}$ (or x)	M1	2.1	Do not allow ln -17
		and indicate that $\ln(-17)$ does not exist	A1	2.3	May state that the ln graph does not exist for negative values or at (0, -17)
			[5]		