Question			Answer	Marks	AO	Guidance
15			$y = 1$ then $x = 2$ only	**B1**	**3.1a**	
			$\frac{1}{y} \times \frac{dy}{dx}$	**B1**	**2.1**	first term correct; allow y' for $\frac{dy}{dx}$
			$x^3 \times \frac{dy}{dx} + 3x^2y$	**M1**	**1.1**	Product Rule; allow one coefficient error **or** one index error
			$\frac{1}{y} \times \frac{dy}{dx} + x^3 \times \frac{dy}{dx} + 3x^2y [= 0]$	**A1**	**1.1**	
			substitution of their $x = 2$ **and** $y = 1$ to obtain numerical value for $\frac{dy}{dx}$	**M1***	**1.1**	**NB** $-\frac{4}{3}$ dependent on at least two of 3 terms correct on LHS following differentiation; if expression for $\frac{dy}{dx}$ or evaluation of $\frac{dy}{dx}$ is incorrect, need to see substitution for award of **M1**
			$y - 1 = \left(their \frac{3}{4}\right)(x - their\ 2)$ **oe**	**M1dep***	**3.1a**	**FT** negative reciprocal of their $-\frac{4}{3}$ and their 2 may see eg $1 = \frac{3}{4} \times 2 + c$
			$3x - 4y - 2 = 0$ or $-3x + 4y + 2 = 0$ **oe**	**A1**	**3.2a**	must be in required form, but coefficients may be fractions
				[7]		