Question			Answer	Mark	AO	Guidance
8	(a)		$2(x-y)\left(1-\frac{dy}{dx}\right)=2+\frac{dy}{dx}$ or $2x-2x\frac{dy}{dx}-2y+2y\frac{dy}{dx}=2+\frac{dy}{dx}$	M1* A1	3.1a 1.1	Attempt at implicit differentiation. Allow M1 for having the terms on either side of the differentiated equation as given correct. Fully correct (unsimplified) differentiated equation in any form.
			$\frac{dy}{dx}=0 \Rightarrow 2(x-y)=2$	M1 dep*	1.1	$\frac{dy}{dx}=0$ used soi e.g. $2x-2y=2$ or $\frac{dy}{dx}=\frac{2(x-y)-2}{2(x-y)+1}=0 \Rightarrow \cdots$
			$[\Rightarrow x-y=1]$ $\Rightarrow y=x-1$ **AG**	A1 [4]	2.1	Correctly obtained www
8	(b)		$(x-(x-1))^2=2x+x-1$	M1	2.1	Substitute $y=x-1$ into the equation of the curve. May see $((y+1)-y)^2=2(y+1)+y$
			$[\Rightarrow 1=2x+x-1] \Rightarrow x=\frac{2}{3}$	A1	1.1	Correct x-coordinate
			$y=-\frac{1}{3}$	A1 [3]	1.1	Correct y-coordinate