Question			Answer	Marks	AO	Guidance	
1	(a)	(i)	$(x-3)^2$ .. … $+2$	**B1** **B1FT** **[2]**	1.1 1.1	For '3' (Allow $a=3$) For '2' (Allow $b=2$)	**ISW** if $(x-3)^2$ seen but then $a=-3$ stated **FT** on their a ie $11-a^2$; most typically (but not exclusively) this will be from $(x+3)^2$
1	(a)	(ii)	$x=3$	**B1FT** **[1]**	1.1	Correct equation **FT** their **(i)**	Must include $x=\ldots$ **B0** if any other equation given eg $x=3$, $y=2$
1	(b)	(i)	$(2p-1)^2-4p^2$ $=4p^2-4p+1-4p^2$ $=-4p+1$	**M1** **A1** **[2]**	1.1 1.1	Attempt b^2-4ac Obtain correct discriminant, in simplified form	Implied by correct answer Allow **M1 BOD** if within a square root, but **M0** if within a full quadratic formula, unless later recovered and isolated Condone '$=0$'
1	(b)	(ii)	$-4p+1=0$ $p=\frac{1}{4}$	**M1** **A1FT** **[2]**	1.1 1.1	Equate their discriminant (in terms of p only) to 0 Implied by correct value for p Obtain correct value for p **FT** their **(b)(i)** as long it is a linear equation	Could also attempt 'perfect square' form, but must go as far as equating their constant term to 0 Any equivalent eg 0.25 Allow correct answer coming from equating the square root to 0