2	(a)		$5\left[x^2 - 4x\right] + 3$				No marks until attempt to complete the square	
			$= 5\left[(x-2)^2 - 4\right] + 3$ $\qquad p = 5$	**B1**	1.1		Must be of the form $5(x \pm \alpha)^2 \pm \cdots$	
			$\qquad\qquad\qquad\qquad (x-2)^2$	**B1**	1.1			
			$= 5(x-2)^2 - 17 \qquad r = -17$	**B1**	1.1			
				[3]				
2	(b)		Minimum point $(2, -17)$	**B1ft**	1.1		Follow through their $-q$	Or by differentiation
				B1ft	1.1		Follow through their r	
				[2]				
2	(c)		$x = 2$	**B1ft**	1.1		Follow through their x coordinate in part (b)	
				[1]				