Question		Answer		Marks	AO	Guidance	
1	(a)	$3[(x+4)^2-16]+5$	<i>a</i> = 3	B1	1.1	No marks until attempt to complete the square Must be of the form $3(x\pm \infty)^2 \pm \cdots$ where $\infty \neq 0$	If they compare coefficients $a = 3$ B1 , $b = 4$ B1 , $c = -43$ B1
			$(x + 4)^2$	B1	1.1	Allow $(x + \frac{8}{2})^2$	
		$3(x+4)^2-43$	<i>c</i> = –43	B1	1.1	If expression set to 0 , ignore = 0	$3(x^2 + 4)^2 - 43$ scores B0 B0 B1
				[3]			
1	(b)	$y \le 0$ $y \ge 3x^2 + 24x + 5$		B1 B1	1.1 1.1	$Accept -43 \le y \le 0$	
						If B0 B0 then SC B1 if both 'correct' but with strict inequalities	
				[2]			