1	x^3+6x^2		for method to find the product of any two linear expressions (3 correct terms) e.g. $x^2+x+2x+2$ or $x^2+2x+3x+6$ or $x^2+x+3x+3$
			for method of multiplying out remaining products, half of which are correct (ft their first product) e.g. $x^3+x^2+2x^2+3x^2+2x+3x+6x+6$
		A1	cao

2	$\frac{4 \pm \sqrt{(-4)^2 - 4 \times 1 \times 1}}{2 \times 1}$	0.268, 3.73		for $x - 2 = \pm \sqrt{3}$ oe or one solution or use of $x^2 - 4x + 1 = 0$ to substitute into formula (allow one error in substitution)
			A1	0.267 - 0.27, 3.7 - 3.74

3	(a)	(a-b)(a+b)	B1	cao	Accept reversed brackets
	(b)	$12(x^2+1)$	M1	for using 'a' = $x^2 + 4$ and 'b' = $x^2 - 2$	
				OR multiplying out both brackets, at least one fully correct	Correct 4 terms if not simplified or 3 terms if simplified
			M1	(dep) for a correct expression for $(`a' + `b')(`a' - `b')$ with no additional brackets, simplified or unsimplified eg $(x^2 + 4 + x^2 - 2)(x^2 + 4 - x^2 + 2)$ or $(2x^2 + 2) \times 6$	
				OR ft for a correct expression without brackets, simplified or unsimplified eg $x^4 + 8x^2 + 16 - x^4 + 4x^2 - 4$	
			A1	for $12(x^2 + 1)$ or $12x^2 + 12$ oe	

4	9p + 13	M1	for method to expand one bracket, eg $5 \times p + 5 \times 3 \ (= 5p + 15)$ or $2 \times 1 - 2 \times 2p \ (= 2 - 4p)$ or $-2 \times 1 - 2 \times -2p \ (= -2 + 4p)$	If an attempt is made to multiply by -2 in the second brackets then it must be done consistently.
		A1	cao	

5	(a)	$x^2 - 4x - 45$	M1	for 3 of 4 terms correct or 4 terms correct ignoring signs	3 terms correct can be implied, eg $x^2 - 4x + c$
			A1	cao	
	(b)	3x(3x + 2)	B2	for $3x(3x + 2)$	
			(B1	for $3(3x^2 + 2x)$ or $x(9x + 6)$ or $3x(ax + b)$ where a and b are integers or $(3x + 2)$ as a factor)	