Question	Working	Answer	Mark	Notes
11 a	$2x^2 - x + 6x - 3$ **or** $2x^2 + 5x - 3$ **or** $x^2 + 3x - 5x - 15$ **or** $x^2 - 2x - 15$ **or** $2x^2 - 10x - x + 5$ **or** $2x^2 - 11x + 5$ eg. $2x^3 + 5x^2 - 3x - 10x^2 - 25x + 15$ **or** $2x^3 - 4x^2 - 30x - x^2 + 2x + 15$ **or** $2x^3 - 11x^2 + 5x + 6x^2 - 33x + 15$	$2x^3 - 5x^2 - 28x + 15$	3	M1 for expansion of any 2 of the 3 brackets (at least 3 of 4 terms correct) M1 (dep) ft for at least half of their terms correct in second expansion (the correct number of terms **must** be present) A1
	Alternative scheme			
	$2x^3 - 10x^2 - x^2 + 5x + 6x^2 - 30x - 3x + 15$	$2x^3 - 5x^2 - 28x + 15$	3	M2 for a complete expansion with 8 terms present, at least 4 of which must be correct A1

Question	Working	Answer	Mark	Notes
11 b	$\frac{-6\pm\sqrt{96}}{6}$ or $\frac{-6\pm\sqrt{6^2--60}}{6}$ Accept 9.79 – 9.8(0) in place of $\sqrt{96}$ NB: denominator must be 2 × 3 or 6 **and** there must be evidence for correct order of operations in the numerator	0.633, −2.63	3	M2 If not M2 then award M1 for $\frac{-6\pm\sqrt{6^2-4\times3\times-5}}{2\times3}$ condone one sign error in substitution; allow evaluation of individual terms e.g 36 in place of 6^2 A1 dep on M1 for answers in range 0.63 to 0.633 , −2.63 to −2.633 Award M2A1 for correct answer with correct working that would gain at least M1
	Alternative scheme e.g $3((x + 1)^2 – 1) – 5 (= 0)$ **or** $(x+1)^2-1-\frac{5}{3}(=0)$ $(x =)\ -1\pm\sqrt{\frac{5}{3}+1}$ oe	0.633, −2.63	3	M1 for completing the square M1 for correct method to isolate x A1 dep on M1 for answer in range 0.63 to 0.633 , −2.63 to −2.633 Award M2A1 for correct answer with correct working that would gain at least M1