Expanding three brackets

Answers

GCSE Maths topic practice

This topic online

Q	Answer	Marks
1	$x^3 + 7x^2 + 14x + 8$	2
2	$x^3 + 4x^2 - 11x - 30$	3
3	$x^3 - 3x^2 - 6x + 8$	3
4	$x^3 + 3x^2 + 3x + 1$	3
5	$x^3 - 2x^2 - 15x + 36$	3
6	$3x^3 - x^2 - 12x + 4$	3
7	$2x^3 + 9x^2 - 8x - 15$	3
8	$V = (x + 3)(x + 1)(x - 2) = (x^2 + 4x + 3)(x - 2) = x^3 - 2x^2 + 4x^2 - 8x + 3x - 6 = x^3 + 2x^2 - 5x - 6$	3
9	**a)** $a = -3$ **b)** $b = -18$ **c)** $c = 40$	4
10	**a)** $6x^2 - x - 1$ **b)** $6x^3 + 11x^2 - 3x - 2$	4

Full worked solutions, written out by hand, are on the solutions sheet for this topic.

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