GRADE 10 · ALGEBRAIC EXPRESSIONS

Multiplying a Binomial by a Trinomial (Grade 10)

WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 13

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 Expand: $(x + 1)(x^2 + 2x + 3)$ (2)

2 Expand: $(x + 3)(x^2 - x + 2)$ (2)

3 Expand: $(2x + 1)(x^2 + 3x - 2)$ (2)

4 Expand: $(x - 2)(x^2 + 2x + 4)$ (2)

5 Expand: $(x + 5)(x^2 - 5x + 25)$ (2)

6 Expand: $(3x - 1)(x^2 - x + 2)$ **(2)**

7 How many products before collecting, for a binomial × trinomial? **(1)**

TOTAL: 13 marks

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