GRADE 10 · ALGEBRAIC EXPRESSIONS

Factorising: Trinomials, Grouping in Pairs & the Cubes (Grade 10)

WORKSHEET

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

Date: .....

MARK ____ / 25

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

1 Factorise: $3x^2 - 12$ (2)

2 Factorise: $x^3 + 3x^2 + 2x + 6$ (3)

3 Factorise: $ax + ay + bx + by$ (2)

4 Factorise: $x^3 + 27$ (2)

5 Factorise: $x^3 - 64$ **(2)**

6 Factorise: $8x^3 - 1$ **(3)**

7 Factorise: $27x^3 + 8$ **(3)**

8 Factorise: $x^2 - 7x + 12$ **(2)**

9 Factorise: $2x^2 + 7x + 3$ **(3)**

10 Factorise: $2x^2 - 5x - 3$ **(3)**

TOTAL: 25 marks

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