Solving Equations by Factorisation (Product = 0)

WORKSHEET

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

Date: .....

MARK ____ / 20

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

1 Solve: $(x - 2)(x + 6) = 0$ **(2)**

2 Solve: $(x + 1)(x - 7) = 0$ **(2)**

3 Solve: $x^2 + 5x + 6 = 0$ **(3)**

4 Solve: $x^2 - 7x + 10 = 0$ **(3)**

5 Solve: $x^2 - 3x = 0$ **(2)**

6 Solve: $x^2 - 25 = 0$ **(2)**

7 Why may you not divide $x^2 = 4x$ by x? **(2)**

8 Simplify: $(10x^3 + 5x^2) \div 5x$ **(2)**

9 Simplify: $(12x^3 - 8x^2 + 4x) \div 4x$ **(2)**

TOTAL: 20 marks

© Danemathics — free to print and share for classroom use.