Quadratic Inequalities (Grade 11)

WORKSHEET

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

Date: .....

MARK ____ / 18

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

1 Solve $x^2 - x - 6 > 0$ (3)

2 Solve $x^2 - x - 6 \leq 0$ (3)

3 Solve $x^2 - 9 < 0$ (2)

4 Solve $x^2 - 4 \geq 0$ (2)

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

6 Solve $x^2 - 5x > 0$ **(2)**

7 Solve $-x^2 + 4 > 0$ **(2)**

8 Write $x < -1$ or $x > 4$ in interval notation. **(1)**

TOTAL: 18 marks

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