

Quadratic Inequalities

Question Paper

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Quadratic Inequalities
Grade Level	Grade 8/9
Booklet	Question Paper

Time Allowed: 60 minutes

Score: /50

Percentage: /100

Grade Boundaries:

1. Solve $x^2 + 4x + 3 > 0$

..... (3)

2. Solve $x^2 - x - 20 < 0$

..... (3)

3. Solve $x^2 - 5x - 24 > 0$

..... (3)

4. Solve $x^2 - 12x + 35 < 0$

..... (3)

5. Solve $x^2 - 7x + 12 \leq 0$

..... (3)

6. Solve $x^2 + 2x - 35 \geq 0$

..... (3)

7. Solve $x^2 \leq 100$

..... (4)

8. Solve $x^2 - 49 > 0$

..... (4)

9. Solve $x^2 > 8x + 9$

..... (4)

10. Solve $6x^2 + 11x - 10 < 0$

..... (4)

11. Solve $6x + 27 > x^2$

..... (4)

12. Solve $2x^2 - 11x + 9 < 0$

..... (4)

13. Work out the integer values that satisfy:

$$2x^2 - 10x + 10 < 0$$

..... (4)

14. Work out the integer values that satisfy:

$$x^2 - 7x + 11 < 0$$

..... (4)