Task card 1 Quadratic Inequalities

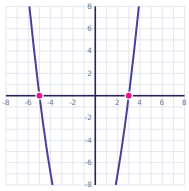
Solve: $(x + 3)(x + 2) < 0$

Task card 2 Quadratic Inequalities

Solve: $x^2 + 2x < 0$

Task card 3 Quadratic Inequalities

The graph of $y = x^2 + 2x - 15$ is shown. Solve: $x^2 + 2x - 15 < 0$



Task card 4 Quadratic Inequalities

Solve: $x^2 - 4x - 5 > 0$

Task card 5 Quadratic Inequalities

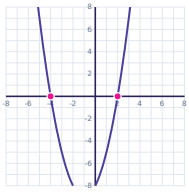
Solve: $(x - 4)(x - 5) > 0$

Task card 6 Quadratic Inequalities

Solve: $x^2 - 7x + 10 < 0$

Task card 7 Quadratic Inequalities

The graph of $y = x^2 + 2x - 8$ is shown. Solve: $x^2 + 2x - 8 > 0$



Task card 8 Quadratic Inequalities

Solve: $x^2 - 4x < 0$

Task card 9 Quadratic Inequalities

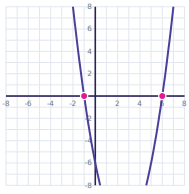
Solve: $(x + 4)(x - 3) < 0$

Task card 10 Quadratic Inequalities

Solve: $x^2 + x - 20 < 0$

Task card 11 Quadratic Inequalities

The graph of $y = x^2 - 5x - 6$ is shown. Solve: $x^2 - 5x - 6 \geq 0$



Task card 12 Quadratic Inequalities

Solve: $x^2 - 11x + 30 \leq 0$

Task card 13 Quadratic Inequalities

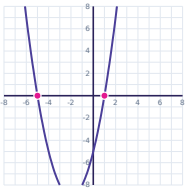
Solve: $(x - 2)(x - 5) > 0$

Task card 14 Quadratic Inequalities

Solve: $x^2 + 3x \leq 0$

Task card 15 Quadratic Inequalities

The graph of $y = x^2 + 4x - 5$ is shown. Solve: $x^2 + 4x - 5 > 0$



Task card 16 Quadratic Inequalities

Solve: $x^2 + 4x > 0$

Task card 17 Quadratic Inequalities

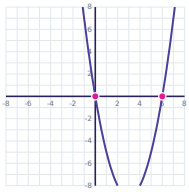
Solve: $x^2 + 5x - 6 < 0$

Task card 18 Quadratic Inequalities

Solve: $x^2 + 10x \geq -24$

Task card 19 Quadratic Inequalities

The graph of $y = x^2 - 6x$ is shown. Solve: $x^2 - 6x > 0$



Task card 20 Quadratic Inequalities

Solve: $x^2 - 11x + 28 \leq 0$

Task card 21 Quadratic Inequalities

Solve: $4x^2 - 16x - 20 > 0$

Task card 22 Quadratic Inequalities

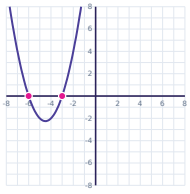
Solve: $x^2 - 3x - 10 \leq 0$

Task card 23 Quadratic Inequalities

Solve: $x^2 - 9x \leq -20$

Task card 24 Quadratic Inequalities

The graph of $y = x^2 + 9x + 18$ is shown. Solve: $x^2 + 9x + 18 > 0$



Quadratic Inequalities Task Cards

Recording sheet · Grade 11 · Solve each inequality. Write "between" answers like -2 < x < 5 and "outside" answers like x < -2 or x > 5 (smaller number first). Type <= and >= for ≤ and ≥. If no x works write no solution; if every x works write all real numbers.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Quadratic Inequalities Task Cards: Answer Key

Grade 11 · Easy

The answers online

1. $-3 < x < -2$	**2.** $-2 < x < 0$	**3.** $-5 < x < 3$
4. $x < -1$ or $x > 5$	**5.** $x < 4$ or $x > 5$	**6.** $2 < x < 5$
7. $x < -4$ or $x > 2$	**8.** $0 < x < 4$	**9.** $-4 < x < 3$
10. $-5 < x < 4$	**11.** $x \leq -1$ or $x \geq 6$	**12.** $5 \leq x \leq 6$
13. $x < 2$ or $x > 5$	**14.** $-3 \leq x \leq 0$	**15.** $x < -5$ or $x > 1$
16. $x < -4$ or $x > 0$	**17.** $-6 < x < 1$	**18.** $x \leq -6$ or $x \geq -4$
19. $x < 0$ or $x > 6$	**20.** $4 \leq x \leq 7$	**21.** $x < -1$ or $x > 5$
22. $-2 \leq x \leq 5$	**23.** $4 \leq x \leq 5$	**24.** $x < -6$ or $x > -3$