Task card 1 The Quadratic Formula

Find the discriminant of $2x^2 - 3x + 2 = 0$.

Task card 2 The Quadratic Formula

How many real solutions does $9x^2 + 36x + 36 = 0$ have?

Task card 3 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 8x + 15 = 0$

Task card 4 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 2x - 48 = 0$

Task card 5 The Quadratic Formula

Find the discriminant of $3x^2 - x - 8 = 0$.

Task card 6 The Quadratic Formula

How many real solutions does $2x^2 - 2x + 8 = 0$ have?

Task card 7 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - x - 42 = 0$

Task card 8 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 6x - 27 = 0$

Task card 9 The Quadratic Formula

Find the discriminant of $x^2 + 9x + 9 = 0$.

Task card 10 The Quadratic Formula

How many real solutions does $3x^2 + 2x - 11 = 0$ have?

Task card 11 The Quadratic Formula

Solve using the quadratic formula:

$x^2 + 15x + 56 = 0$

Task card 12 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 6x + 8 = 0$

Task card 13 The Quadratic Formula

Find the discriminant of $3x^2 - x + 5 = 0$.

Task card 14 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - x - 6 = 0$

Task card 15 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 11x + 28 = 0$

Task card 16 The Quadratic Formula

Find the discriminant of $x^2 + x + 2 = 0$.

Task card 17 The Quadratic Formula

How many real solutions does $x^2 + 8x + 16 = 0$ have?

Task card 18 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - x - 2 = 0$

Task card 19 The Quadratic Formula

Solve using the quadratic formula: $3x^2 + 4x - 1 = 0$

Task card 20 The Quadratic Formula

Find the discriminant of $x^2 - 10x + 2 = 0$.

Task card 21 The Quadratic Formula

How many real solutions does $x^2 + x - 1 = 0$ have?

Task card 22 The Quadratic Formula

Solve using the quadratic formula: $3x^2 + 24x + 21 = 0$

Task card 23 The Quadratic Formula

Solve using the quadratic formula: $x^2 - 6x - 12 = 0$

Task card 24 The Quadratic Formula

Find the discriminant of $3x^2 + 6x + 2 = 0$.

The Quadratic Formula Task Cards

Recording sheet · Grade 9 · Answer each question. Write two solutions like x = -1.5 or x = 4 and round to the nearest hundredth when needed.

Name: _____ Date: _____

Scan to check your answers

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

The Quadratic Formula Task Cards: Answer Key

Grade 9 · Easy

The answers online

1. -7	**2.** 1	**3.** x = 3 or x = 5
4. x = -6 or x = 8	**5.** 97	**6.** 0
7. x = -6 or x = 7	**8.** x = -3 or x = 9	**9.** 45
10. 2	**11.** x = -8 or x = -7	**12.** x = 2 or x = 4
13. -59	**14.** x = -2 or x = 3	**15.** x = 4 or x = 7
16. -7	**17.** 1	**18.** x = -1 or x = 2
19. x = -1.55 or x = 0.22	**20.** 92	**21.** 2
22. x = -7 or x = -1	**23.** x = -1.58 or x = 7.58	**24.** 12