Task card 1 The Quadratic Formula

How many real solutions does $4x^2 - 24x + 36 = 0$ have?

Task card 2 The Quadratic Formula

Solve using the quadratic formula: $3x^2 - 10x + 4 = 0$

Task card 3 The Quadratic Formula

Solve using the quadratic formula: $2x^2 + 7x - 7 = 0$

Task card 4 The Quadratic Formula

Solve using the quadratic formula: $x^2 + 7x + 10 = 0$

Task card 5 The Quadratic Formula

How many real solutions does $-4x^2 + 3x - 5 = 0$ have?

Task card 6 The Quadratic Formula

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

Task card 7 The Quadratic Formula

Solve using the quadratic formula: -

$5x^2 + 5x + 4 = 0$

Task card 8 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 49 = 0$

Task card 9 The Quadratic Formula

How many real solutions does $x^2 - 3x + 8 = 0$ have?

Task card 10 The Quadratic Formula

Solve using the quadratic formula: -

$x^2 + 9x + 9 = 0$

Task card 11 The Quadratic Formula

Solve using the quadratic formula:

$x^2 + 7x + 4 = 0$

Task card 12 The Quadratic Formula

Solve using the quadratic formula:

$2x^2 + 14x + 20 = 0$

Task card 13 The Quadratic Formula

How many real solutions does $5x^2 - 2x + 1 = 0$ have?

Task card 14 The Quadratic Formula

Solve using the quadratic formula:

$4x^2 - 12x - 2 = 0$

Task card 15 The Quadratic Formula

Solve using the quadratic formula:

$2x^2 - 11 = 0$

Task card 16 The Quadratic Formula

Solve using the quadratic formula:

$3x^2 - 24x + 21 = 0$

Task card 17 The Quadratic Formula

How many real solutions does $4x^2 + 4x + 1 = 0$ have?

Task card 18 The Quadratic Formula

Solve using the quadratic formula:

$x^2 - 4x + 1 = 0$

Task card 19 The Quadratic Formula

Solve using the quadratic formula: $3x^2 - 8x + 10 = 0$

Task card 20 The Quadratic Formula

Solve using the quadratic formula: $2x^2 - 22x + 48 = 0$

Task card 21 The Quadratic Formula

How many real solutions does $5x^2 + 6 = 0$ have?

Task card 22 The Quadratic Formula

Solve using the quadratic formula: $x^2 - 7x + 11 = 0$

Task card 23 The Quadratic Formula

Solve using the quadratic formula: $4x^2 + 9x + 1 = 0$

Task card 24 The Quadratic Formula

Solve using the quadratic formula: $2x^2 + 24x + 70 = 0$

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 · Hard

The answers online

1. 1	**2.** x = -3.69 or x = 0.36	**3.** x = -4.31 or x = 0.81
4. x = -5 or x = -2	**5.** 0	**6.** x = -0.31 or x = 0.81
7. x = -0.52 or x = 1.52	**8.** x = -7 or x = 7	**9.** 0
10. x = -0.91 or x = 9.91	**11.** x = -6.37 or x = -0.63	**12.** x = -5 or x = -2
13. 0	**14.** x = -0.16 or x = 3.16	**15.** x = -2.35 or x = 2.35
16. x = 1 or x = 7	**17.** 1	**18.** x = 0.27 or x = 3.73
19. x = -3.59 or x = 0.93	**20.** x = 3 or x = 8	**21.** 0
22. x = 2.38 or x = 4.62	**23.** x = -2.13 or x = -0.12	**24.** x = -7 or x = -5