Task card 1 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 9x + 14 = 0$

Task card 2 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 3 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 7x + 10 = 0$

Task card 4 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 3x - 10 = 0$

Task card 5 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 + 14x + 49 = 0$

Task card 6 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $x^2 - 5x + 2 = 0$.

Task card 7 Quadratic Formula & the Discrimina...

How many real solutions does $x^2 + 5x - 1 = 0$ have? (Use the discriminant.)

Task card 8 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $3x^2 + 2x - 2 = 0$.

Task card 9 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 3x - 4 = 0$

Task card 10 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 + 6x - 7 = 0$

Task card 11 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 12 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 8x + 16 = 0$

Task card 13 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 - 12x + 36 = 0$

Task card 14 Quadratic Formula & the Discrimina...

How many real solutions does $2x^2 + 7x - 5 = 0$ have? (Use the discriminant.)

Task card 15 Quadratic Formula & the Discrimina...

How many real solutions does $x^2 + 4x - 2 = 0$ have? (Use the discriminant.)

Task card 16 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $x^2 - 8x - 3 = 0$.

Task card 17 Quadratic Formula & the Discrimina...

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

Task card 18 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 + 9x + 18 = 0$

Task card 19 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 - 14x + 48 = 0$

Task card 20 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 - 12x + 32 = 0$

Task card 21 Quadratic Formula & the Discrimina...

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

Task card 22 Quadratic Formula & the Discrimina...

How many real solutions does $x^2 - 5 = 0$ have? (Use the discriminant.)

Task card 23 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $2x^2 + 4x + 6 = 0$.

Task card 24 Quadratic Formula & the Discrimina...

How many real solutions does $x^2 + 9x + 7 = 0$ have? (Use the discriminant.)

Quadratic Formula & the Discriminant Task Cards

Recording sheet · Grade 11 · Solve each problem.

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 Formula & the Discriminant Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. x = 7 or x = 2	**2.** x = 1 or x = -5	**3.** x = 5 or x = 2
4. x = 5 or x = -2	**5.** x = -7	**6.** 17
7. 2	**8.** 28	**9.** x = 4 or x = -1
10. x = 1 or x = -7	**11.** x = -7 or x = -8	**12.** x = 4
13. x = 6	**14.** 2	**15.** 2
16. 76	**17.** x = 1	**18.** x = -3 or x = -6
19. x = 8 or x = 6	**20.** x = 8 or x = 4	**21.** x = 4 or x = -6
22. 2	**23.** -32	**24.** 2