Task card 1 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 5x + 6 = 0$

Task card 2 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 + 7x + 12 = 0$

Task card 3 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 4x = 0$

Task card 4 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 5 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 6 Quadratic Formula & the Discrimina...

How many real solutions does $3x^2 + 3x + 4 = 0$ have? (Use the discriminant.)

Task card 7 Quadratic Formula & the Discrimina...

How many real solutions does $3x^2 + 4x - 4 = 0$ have? (Use the discriminant.)

Task card 8 Quadratic Formula & the Discrimina...

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

Task card 9 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 10x + 25 = 0$

Task card 10 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 11 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 12 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 13 Quadratic Formula & the Discrimina...

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

Task card 14 Quadratic Formula & the Discrimina...

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

Task card 15 Quadratic Formula & the Discrimina...

How many real solutions does $3x^2 - 2x - 3 = 0$ have? (Use the discriminant.)

Task card 16 Quadratic Formula & the Discrimina...

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

Task card 17 Quadratic Formula & the Discrimina...

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

Task card 18 Quadratic Formula & the Discrimina...

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

Task card 19 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 + x - 20 = 0$

Task card 20 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 21 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - x - 2 = 0$

Task card 22 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $3x^2 + x - 1 = 0$.

Task card 23 Quadratic Formula & the Discrimina...

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

Task card 24 Quadratic Formula & the Discrimina...

How many real solutions does $2x^2 + 4x - 1 = 0$ 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 · Easy

The answers online

1. x = 3 or x = 2	**2.** x = -3 or x = -4	**3.** x = 4 or x = 0
4. x = -2 or x = -4	**5.** x = 2	**6.** 0
7. 2	**8.** 52	**9.** x = 5
10. x = -1	**11.** x = -2	**12.** x = 1 or x = -3
13. x = 1 or x = -1	**14.** 1	**15.** 2
16. 45	**17.** x = -6	**18.** x = 0
19. x = 4 or x = -5	**20.** x = -1 or x = -6	**21.** x = 2 or x = -1
22. 13	**23.** 45	**24.** 2