Task card 1 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 2 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 3 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 11x + 10 = 0$

Task card 4 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 11x + 24 = 0$

Task card 5 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 = 0$

Task card 6 Quadratic Formula & the Discrimina...

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

Task card 7 Quadratic Formula & the Discrimina...

How many real solutions does $2x^2 - 4x - 9 = 0$ have? (Use the discriminant.)

Task card 8 Quadratic Formula & the Discrimina...

How many real solutions does $3x^2 + 10x - 7 = 0$ have? (Use the discriminant.)

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:

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

Task card 11 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 + 16x + 64 = 0$

Task card 12 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 13 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 - 10x + 24 = 0$

Task card 14 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $3x^2 + 10x - 7 = 0$.

Task card 15 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $x^2 - 4x - 10 = 0$.

Task card 16 Quadratic Formula & the Discrimina...

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

Task card 17 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 - 15x + 50 = 0$

Task card 18 Quadratic Formula & the Discrimina...

Solve using the quadratic formula: $x^2 + 18x + 81 = 0$

Task card 19 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

$x^2 - 3x - 70 = 0$

Task card 20 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 21 Quadratic Formula & the Discrimina...

Solve using the quadratic formula:

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

Task card 22 Quadratic Formula & the Discrimina...

Find the discriminant ($b^2 - 4ac$) of $3x^2 - 9x + 1 = 0$.

Task card 23 Quadratic Formula & the Discrimina...

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

Task card 24 Quadratic Formula & the Discrimina...

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

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 · Hard

The answers online

1. x = 4 or x = 2	**2.** x = 1	**3.** x = 10 or x = 1
4. x = 8 or x = 3	**5.** x = 0	**6.** 20
7. 2	**8.** 2	**9.** x = 1 or x = -4
10. x = -1 or x = -4	**11.** x = -8	**12.** x = 5 or x = -3
13. x = 6 or x = 4	**14.** 184	**15.** 56
16. 2	**17.** x = 10 or x = 5	**18.** x = -9
19. x = 10 or x = -7	**20.** x = 7	**21.** x = 7 or x = -1
22. 69	**23.** 4	**24.** -48