Quadratic Formula & the Discriminant · 1

Solve using the quadratic formula: $x^2 - 5x + 6 = 0$

Quadratic Formula & the Discriminant · 2

Solve using the quadratic formula: $x^2 + 7x + 12 = 0$

Quadratic Formula & the Discriminant · 3

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

Quadratic Formula & the Discriminant · 4

Solve using the quadratic formula: $x^2 + 6x + 8 = 0$

Quadratic Formula & the Discriminant · 5

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

Quadratic Formula & the Discriminant · 6

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

Quadratic Formula & the Discriminant · 7

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

Quadratic Formula & the Discriminant · 8

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

Quadratic Formula & the Discriminant · 2

ANSWER

$x = -3$ or $x = -4$

Quadratic Formula & the Discriminant · 1

ANSWER

$x = 3$ or $x = 2$

Quadratic Formula & the Discriminant · 4

ANSWER

$x = -2$ or $x = -4$

Quadratic Formula & the Discriminant · 3

ANSWER

$x = 4$ or $x = 0$

Quadratic Formula & the Discriminant · 6

ANSWER

0

Quadratic Formula & the Discriminant · 5

ANSWER

$x = 2$

Quadratic Formula & the Discriminant · 8

ANSWER

52

Quadratic Formula & the Discriminant · 7

ANSWER

2

Solve using the quadratic formula: $x^2 - 10x + 25 = 0$

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

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

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

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

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

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

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

Quadratic Formula & the Discriminant · 10

ANSWER

$x = -1$

Quadratic Formula & the Discriminant · 9

ANSWER

$x = 5$

Quadratic Formula & the Discriminant · 12

ANSWER

$x = 1$ or $x = -3$

Quadratic Formula & the Discriminant · 11

ANSWER

$x = -2$

Quadratic Formula & the Discriminant · 14

ANSWER

1

Quadratic Formula & the Discriminant · 13

ANSWER

$x = 1$ or $x = -1$

Quadratic Formula & the Discriminant · 16

ANSWER

45

Quadratic Formula & the Discriminant · 15

ANSWER

2

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

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

Solve using the quadratic formula: $x^2 + x - 20 = 0$

Solve using the quadratic formula: $x^2 + 7x + 6 = 0$

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

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

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

How many real solutions does $2x^2 + 4x - 1 = 0$ have? (Use the discriminant.)

Quadratic Formula & the Discriminant · 18

ANSWER

$x = 0$

Quadratic Formula & the Discriminant · 17

ANSWER

$x = -6$

Quadratic Formula & the Discriminant · 20

ANSWER

$x = -1$ or $x = -6$

Quadratic Formula & the Discriminant · 19

ANSWER

$x = 4$ or $x = -5$

Quadratic Formula & the Discriminant · 22

ANSWER

13

Quadratic Formula & the Discriminant · 21

ANSWER

$x = 2$ or $x = -1$

Quadratic Formula & the Discriminant · 24

ANSWER

2

Quadratic Formula & the Discriminant · 23

ANSWER

45