Solving Equations

Solving Linear Equations

Solving Quadratic Equations

Solving Systems of Linear Equations

Stupid questions

Completing the squares

Math Teachers

Math Rocks

GameBoard

Full Screen

Quit

Solving Linear Equations for 100.

$5x - 3 = 47.$ $x = ?$

8

16

19

10

9

Math Teachers

Math Rocks

Solving Linear Equations for 200.

$$\frac{2}{5}x = 8, \qquad x = ?$$

8/5

4

1/5

20

40

Math Teachers

Math Rocks

$3x + 4 = -2x + 19, \qquad x = ?$

19

-23/3

4

3

-3

Math Teachers
Math Rocks

GameBoard

Full Screen

Quit

Solving Linear Equations for 400.

$2x + 16 = 7x + 1, \qquad x = ?$

-4

2

3

0

-2

Solving Quadratic Equations for 100.

$x^2 = 144, \quad x = ?$

72

12

-12

-12 or 12

144 or -144

Math Teachers

Math Rocks

Solving Quadratic Equations for 200.

$x^2 + 10x + 16 = 0, \qquad x = ?$

4 or -4

-1 or 16

2 or 8

-2 or -8

Solving Quadratic Equations for 300.

$3x^2 + 2x = 0, \qquad x = ?$

2 or 3

-3 or 0

0 or 1/2

0 or -3/2

3/2 or 0

GameBoard

Full Screen

Quit

$x(x - 3) + 2 = 0, \qquad x = ?$

3 or 2

0 or 3

1 or -2

2 or 1

-2 or 2

Math Teachers

Math Rocks

GameBoard

Full Screen

Quit

$$x + y = 0$$
$$-x + y = 4$$

$x =$, $y =?$

$x = 0$, $y = 0$

$x = 2$, $y = 2$

$x = -2$, $y = 2$

$x = 4$, $y = 0$

$x = -2$, $y = -2$

$$2x + 3y = 25$$
$$-2x + y = -5$$

$x = $, $y = $?

$x = $ 0, $y = 0$

$x = $ 10, $y = 5$

$x = $ 5, $y = 5$

$x = $ 2, $y = 3$?

$x = $ 5, $y = -5$?

GameBoard

Full Screen

Quit

$$2x = y + 2$$
$$y = 5x - 5$$

$x = $, $y = ?$

$x = 2,\ y = 1$

$x = 1,\ y = 1$

$x = 1,\ y = 0$

$x = 5,\ y = 2?$

$x = 2,\ y = -5?$

$$2(x + 2) - 3y = 2(y - 1) + 6$$
$$-2(x - 1) + y = 2$$

$x =$, $y =$?

$x = -2, \ y = 1$

$x = 0, \ y = 1$

$x = 0, \ y = 0$

$x = 2, \ y = 1$?

$x = 2, \ y = -3$?

$$x(x + 2) - 3y = x(x - 1) - 6$$
$$2x + y(y + 2) = y^2$$

$x =$, $y =$?

$x = -2$, $y = 1$

$x = 0$, $y = 1$

$x = -1$, $y = 1$

$x = 2$, $y = 1$?

$x = 2$, $y = -3$?

Math Teachers
Math Rocks

GameBoard

Full Screen

Quit

Stupid questions for 100.

$x = x, y = y.$ $x = ,\ y =?$

$x = \ y,\ y = x$

$x = \ 0,\ y = 0$

$x = \ anynumber,\ y = anynumber$

$x = y?$

no solution

Stupid questions for 200.

$x = y \ y = 2 \quad x = , \ y = ?$

    $x = 0, \ y = -2$

    $x = \ -2, \ y = -2$

    $x = \ anynumber, \ y = anynumber$

  no solution

    $x = \ 2, \ y = 2$

Stupid questions for 300.

$x + y = 5$ $x + y = 2$ $x = $, $y = ?$

$x = y,\ y = 5$

$x = \ 2,\ y = 5$

$x = \ anynumber,\ y = anynumber$

$x = \ 5,\ y = 2$

no solution

Stupid questions for 400.

Which solution best describes the following system?
$x + y = 12$ $x + y = 12.$ $x = , y =?$

$x = y, \ y = 2$

$x = \ 12, \ y = 12$

$x = \ 6, \ y = 6$

no solution

$x = \ anynumber, \ y = anynumber$

Let $x^2 = -9$. What real x solves the problem?

$x = -9$

$x = 9$

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

$x = 2/9$

No solution

Completing the squares for 100.

Let $(x+1)^2 = 4$. What is $x = ?$.

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

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

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

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

$x = 0$

Let $(x + 3)^2 = -4$. What is $x =$?.

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

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

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

No solution

$x = 0$

Completing the squares for 300.

Let $2(x + 1)^2 - 2 = 16$. What is $x =$?.

$x = 2$ or $x = -2$
$x = 0$ or $x = -16$
$x = 1$ or $x = -1$
$x = 2$ or $x = -4$
No solution

Completing the squares for 400.

Let $-3(x-2)^2 + 3 = -24$. What is $x =$?.

$x = 3$ or $x = -3$
$x = 2$ or $x = -2$
$x = 1$ or $x = -1$
$x = 5$ or $x = -1$
$x = 0$