Algebraic Inequialities

Math Teachers

Math Rocks

Which of the following inequalities is NOT true?

$-2 < -1$

$101 > 97$

$3/4 > 2/5$

$-2/3 < -1$

$-2/3 > -2$

Simple Inequalities for 200.

Which of the following inequalities is ALWAYS true?

$x + 1 > 0$

$x - 1 < 0$

$x < 2x$

$x^2 + 1 > 0$

$-x < x$

Which of the following inequalities is true for $x = -1$?
musica

$x > 0$

$x + 1 > 0$

$-x < 0$

$x^2 >$

$x^2 > 1$

Assume $0 > y$. Which of the following is true for all y ?

$y^2 < 0$

$y + 2 < 0$

$-3y < y$

$-3y < -5y$

$y^2 < y$

Solve $x + 2 > -2$

$x > 0$

$x < 0$

$x > 4$

$x > -4$

$x < 4$

Solve $-x + 3 > -2$

$x > 1$

$x < 5$

$x > -5$

$x > 5$

$x < -1$

Solve $-3x + 3 > -2x + 1$

$x > 2$

$x < 4$

$x > 4$

$x < 2$

$x < -4$

Math Teachers
Math Rocks

GameBoard

Full Screen

Quit

Solve $|x + 3| > 1$

$x > 0$

$x > -2$

$x < 2$ or $x > -2$

$x < -4$ or $x > -2$

$x < -4$ or $x > -4$

Math Teachers
Math Rocks

GameBoard

Full Screen

Quit

Which of the following inequalities is always true?

$x < y$

$x^2 > y$

$(xy)^2 > -2$

$x + y > y$

$xy > 0$

Which of the following inequalities is satisfied by the point $x = 10$ $y = -1$?

$x < y$

$x < y + 8$

$x^2 < y + 1$

$-x > y$

$-x < y + 8$

Which of the following inequalities is satisfied by the point $x = -5$ $y = 2$

$-x < y$

$2x > y$

$x^2 > 10y$

$-x > 10y$

$-5x < y$

Math Teachers

Math Rocks

Which is true for $x = -2 \ y = -2$

$-x < y$

$2x > y$

$5xy + 3 > 21$

$-7x + 2 > -10y - 3$

$-5x + 10 < 12y + 11$

Let $x = y = 0$. Which inequality is true?

$x + y > 0$

$xy > 0$

$12xy + 5 < 16 + x$

$-23x + y > -14y + x$

$x - y > 0$

Let $x = y = 1$. Which inequality is true?

$x > y$

$x + 1 < y + 1$

$-7x > 12y$

$x - y < 1$

$x + y > 2$

Let $x = 1$. Which inequality is true for all y?

$y > x$

$y^2 > x$

$x - y < -y + 1$

$xy > 2y$

$y^2 + 2 > x$

Stupid questions for 400.

Let $x < 0$ and $y > 0$. Which inequality is true?

$xy > 0$.

$x - y > 0$

$x < -y$

$x/y > 0$.

$x^2 y > 0$

Full Screen

Quit

Math Teachers

Math Rocks

The inequality $y < x$ is solved by:

Points on the line $y = x$

Points above the line $y = x$

Points on the line $y = -x$

Points below the line $y = x$

Only the point (0,0)

The inequality $y > -2x + 3$ is solved by:

    Points above the line $y = 2x - 3$

    Points on the line $y = -2x + 3$

    Points above the line $y = -2x + 3$

    Points on the line $y = -2x + 3$

    Points below the line $y = -2x + 3$

Graphs for 300.

The inequality $-2y > 4x - 4$ is solved by:

Points on the line $y = -2x + 2$
Points below the line $y = -2x - 2$
Points above the line $y = -2x - 2$
Points above the line $y = -2x + 2$
Points below the line $y = -2x + 2$

Graphs for 400.

All graphs $y = \log_a x$ always pass through:

Points $(0,0)$ and $(1,1)$

Points $(a,0)$ and $(1,a)$

Points $(1,0)$ and $(a,1)$

Points $(0,1)$ and $(a,1)$

None of the above