MATH COURSE I

Inequalities

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VOCABULARY

Inequality: a statement that shows two quantities are **not** equal

< less than

> Greater than

≤ less than or equal to

≥ greater than or equal to

≠ not equal to

Vocabulary

Open Circle: used to graph answers that are greater than > and less than <

Closed Circle: used to graph answers that are greater than or equal to ≥ and less than or equal to ≤

Signs

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Solving Inequalities

*May have more than one solution.

Example.

$x > 3$

$x = 4$

$x = 5$

Solving Inequalities

*Solve inequalities the same way you solve equations.

$$t + 12 < 18$$
$$-12 \quad -12$$
$$t < 6$$

Practice

- $x + 1 < 6$
- $x - 3 > 0$
- $x + 1 \leq 5$
- $2x \geq 4$
- $4 \leq n - 3$
- $8y < 32$
- $r/6 \geq 5$