

Name: Key

Semester 1 Final Review
Day 4 : Unit 2 Pre Assessment

Objective: Can I solve and graph an inequality?

Solve for x. Write your solution in both inequality and interval notation.

$$-5x - 6 > 9$$

$$\frac{+6 + 6}{-5x > 15}$$

$$\frac{-5x > 15}{-5 \quad -5}$$

$$x < -3$$

$$(-\infty, -3)$$



Self-Assess

1 I really need to review.

3

4 I remember this like it was yesterday. ☺

5

Objective: Can I solve and graph an inequality involving special cases?

Solve for x. Write your solution in both inequality and interval notation.

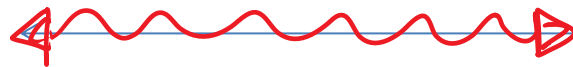
$$-10x + 6 > 2(-5x - 3)$$

$$\frac{-10x + 6 > -10x - 6}{+10x \quad +10x}$$

$$6 > -6$$

true

$$\mathbb{R}$$
$$(-\infty, +\infty)$$



Self-Assess

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Objective: Can I solve a compound inequality?

Solve for x. Write your solution in both inequality and interval notation.

$$\frac{-3x < 15}{-3 \quad -3} \quad \text{and} \quad \frac{2x + 4 > 6}{-4 \quad -4}$$

$$x > -5$$

$$\frac{2x > 2}{2 \quad 2}$$

$$x > 1$$

AND -
Share?

$$x > 1$$
$$(1, +\infty)$$



Self-Assess

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