## NAME

Module 5 Solving Linear Inequalities of One Variable
Lesson 4 Solving Multi-Step Linear Inequalities

## Lesson Objective

- Solve and graph the solution sets to inequalities with variables on both sides.

To solve a multi-step inequality that has a variable on both sides, get the constant terms on one side and the variable terms on
the other side.
The inequality $-4 \geq x$ can be rewritten as $x \leq-4$
(1) Solve and graph: $-6 x+7 \geq 8 x \xrightarrow{\frac{1}{2} \geq x}$

(2) Solve and graph: $12-5 x \leq 3-2 x \quad x \geq 3$

(3) Solve and graph: $8-2(3-x)>16-(x+2) x>4$


