

LEARNING GOAL

1. **Review:** I can describe what happens when I add, subtract, multiply, or divide by the same number on both sides of an inequality.
2. I can solve inequalities using the addition and multiplication properties of inequalities.

EXAMPLE 1

Solve $50 - 2x < 10$

EXAMPLE 2

Solve $2x + 4 < 8$

EXAMPLE 3

Solve $4 - 2x < 0$

EXAMPLE 4

Solve $-3x - 10 > -40$

EXERCISE 1

Solve $-5x - 2 < 18$

EXERCISE 2

Solve $3x + 4 \geq 16$

EXERCISE 3

Solve $2 - x \leq 12$