

# Worksheet : One-Variable Linear Equations and Inequations

G7.R26

Date:

Status:

**3** Represent each inequation on the number line.

(a)  $x \geq -1, x \in \mathbb{R}$

Representation on the number line:

(b)  $x < -8, x \in \{-12, -10, -8, -6, -4\}$

Representation on the number line:

**4** Solve each inequation.

(a)  $2(20 + 3x) > x + 100$

(b)  $x + 2 > \frac{3x - 1}{2}$

**5** Solve the inequation. Then represent the solution set on the number line.

(a)  $2(5 - 3x) \leq 4(x - 5), x \in \mathbb{W}$

Representation on the number line:

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Representation on the number line:

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