

NAME \_\_\_\_\_

**Module 5** Solving Linear Inequalities of One Variable  
**Lesson 3** Solving Two-Step Linear Inequalities



**additional practice**

Solve the following inequalities. Then graph each solution on a number line.

1.  $2B + 7 \leq -5$   $B \leq -6$  \_\_\_\_\_



2.  $3B + 2 < -7$   $B < -3$  \_\_\_\_\_



3.  $2x + 7 \geq -3$   $x \geq -5$  \_\_\_\_\_



4.  $4x + 3 > 19$   $x > 4$  \_\_\_\_\_



5.  $8 \leq 6G - 4$   $2 \leq G$  \_\_\_\_\_



6.  $6G - 4 \geq 8$   $G \geq 2$  \_\_\_\_\_



7.  $10f - 5 \leq 0$   $f \leq \frac{1}{2}$  \_\_\_\_\_



8.  $8f - 5 \leq 3$   $f \leq 1$  \_\_\_\_\_



9.  $-6t + 7 \leq -5$   $t \geq 2$  \_\_\_\_\_



10.  $-3K + 4 > 10$   $K < -2$  \_\_\_\_\_



11.  $-5H + 7 \geq 32$   $H \leq -5$  \_\_\_\_\_



12.  $-10R + 5 < 40$   $R > -\frac{7}{2}$  or  $R > -3\frac{1}{2}$  \_\_\_\_\_



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13.  $-2z + 12 \geq -22$   $z \leq 17$  \_\_\_\_\_



14.  $-6V - 2 \leq 4$   $V \geq -1$  \_\_\_\_\_



15.  $-2z + 5 \geq -9$   $z \leq 7$  \_\_\_\_\_



16.  $-3V - 1 \leq 8$   $V \geq -3$  \_\_\_\_\_



17.  $-8z + 8 \geq 0$   $z \leq 1$  \_\_\_\_\_



18.  $-5V - 4 \leq 26$   $V \geq -6$  \_\_\_\_\_



19.  $g^2 + 2 < 2$   $\emptyset$  \_\_\_\_\_



20.  $M^2 + 5 \geq -9$   $\mathfrak{R}$  \_\_\_\_\_

