



1-5 Additional Practice

Solving Inequalities in One Variable

Solve each inequality. Then graph the solution.

1. $-6t - 3 < -2t - 19$

2. $-3(m - 4) < 6$

3. $4(1 - x) < 16$

4. $2y \leq -3$

5. $3(v - 4) \geq 5v - 24$

6. $-x - 1 > 3x + 1$

Solve each inequality.

7. $2(k + 4) - 3k \leq 14$

8. $3(4c - 5) - 2c > 0$

9. $15(j - 3) + 3j < 45$

10. $22 \geq 5(2y + 3) - 3y$

11. $-53 > -3(3z + 3) + 3z$

12. $20(d - 4) + 4d \leq 8$

13. $-2(6 + s) < -16 + 2s$

14. $9 - 2x < 7 + 2(x - 3)$

Solve each inequality.

If all real-number values of x are solutions of the inequality, write TRUE.

If no real-number values of x are solutions of the inequality, write FALSE.

15. $2(n - 3) \leq -13 + 2n$

16. $-3(w + 3) < 9 - 3w$

17. The unit cost for a piece of fabric is \$4.99 per yard including tax. You have \$30 to spend on material. How many whole feet of material could you buy?