

LESSON **Practice B**
2-3 Solving Two-Step and Multi-Step Equations

Solve each equation. Check your answers.

1. $-4x + 7 = 11$

2. $17 = 5y - 3$

3. $-4 = 2p + 10$

4. $3m + 4 = 1$

5. $12.5 = 2g - 3.5$

6. $-13 = -h - 7$

7. $-6 = \frac{y}{5} + 4$

8. $\frac{7}{9} = 2n + \frac{1}{9}$

9. $-\frac{4}{5}t + \frac{2}{5} = \frac{2}{3}$

10. $-(x - 10) = 7$

11. $-2(b + 5) = -6$

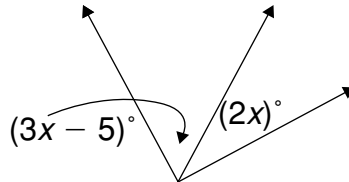
12. $8 = 4(q - 2) + 4$

13. If $3x - 8 = -2$, find the value of $x - 6$.

14. If $-2(3y + 5) = -4$, find the value of $5y$.

Answer each of the following.

15. The two angles shown form a right angle. Write and solve an equation to find the value of x .



16. For her cellular phone service, Vera pays \$32 a month, plus \$0.75 for each minute over the allowed minutes in her plan. Vera received a bill for \$47 last month. For how many minutes did she use her phone beyond the allowed minutes?
