

LESSON
1.3**Practice B***For use with pages 18–25***Solve the equation. Check your solution.**

- | | | |
|---|--------------------------------|---|
| 1. $x - 9 = 12$ | 2. $3x - 2 = 16$ | 3. $3 - x = 2$ |
| 4. $-4 = x - 1$ | 5. $3 = 2 + x$ | 6. $-14 + 2x = 6$ |
| 7. $6x = 24$ | 8. $-4x = -14$ | 9. $\frac{3}{2}x + 1 = 13$ |
| 10. $\frac{2}{3}x + 10 = 0$ | 11. $\frac{4}{3}x + 2 = 6$ | 12. $x + 6 = 3(5 - x)$ |
| 13. $x + \frac{3}{2} = \frac{3}{4}\left(x - \frac{1}{2}\right)$ | 14. $3(x - 2) = 2(2x - 3)$ | 15. $x + \frac{3}{5} = \frac{7}{5}(x + 1)$ |
| 16. $\frac{1}{2}(14x + 2) = 3(2 - 3x)$ | 17. $5x = \frac{4}{5}(5x - 2)$ | 18. $x + 6 = 3(3 - x)$ |
| 19. $\frac{5}{4}(4x + 2) = 3$ | 20. $27 - 2x = 2(x + 1)$ | 21. $x + 4 = 2x - 8\left(\frac{1}{4}x - \frac{1}{4}\right)$ |

22. **Perimeter** The perimeter of the rectangle below is 78 feet. Find its dimensions.



23. **Movie Tickets** A movie ticket costs \$6.50. You have \$35.00 to buy tickets and popcorn for four people. How much money is left to buy popcorn after the tickets are paid for?
24. **Pay Rate** You need to earn \$475 per week to afford the new car you want to purchase. Your work week is 45 hours. You get 1.5 times the regular hourly rate for overtime (anything over 40 hours). How much does your hourly rate need to be?
25. **Car Bill** The bill for your automobile repairs was \$265.74. The cost for labor was \$52.00 per hour. The cost for materials was \$135.74. How many hours did the mechanic work on your automobile?
26. **Read Trip** On Friday, you drove 145 miles to stay at your grandmother's house. On Sunday, you returned home and calculated that the round trip travel time was 5 hours. What was your average speed?

Holt Pre Algebra Answers Lesson

Yi-Tong Ma

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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