

LESSON
3.1**Practice B**

For use with pages 132–140

Solve the equation.

1. $x + 16 = 25$

2. $n - 9 = 17$

3. $-30 = w + 8$

4. $y + 5 = -13$

5. $a - 17 = -10$

6. $41 = 52 + m$

7. $c - 2.4 = 1.8$

8. $z + 4.1 = 9.6$

9. $-3.2 = 4.5 + p$

10. $9x = 54$

11. $-5b = 55$

12. $-42 = 3m$

13. $-52 = -4y$

14. $\frac{1}{3}n = 36$

15. $-\frac{3}{4}a = 12$

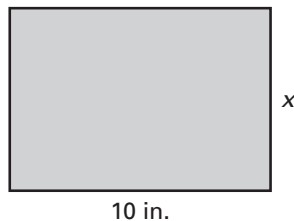
16. $0.5y = 17$

17. $-1.4a = 2.8$

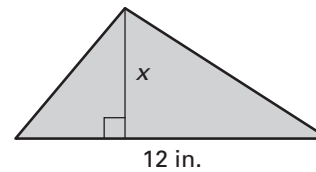
18. $-6.5 = -1.3m$

The rectangle or triangle has area A . Write and solve an equation to find the value of x .

19. $A = 70 \text{ in.}^2$

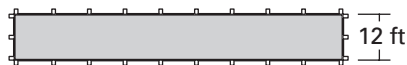


20. $A = 30 \text{ in.}^2$



21. **Caves** Cumberland Caverns in Tennessee is 44.4 kilometers long. This cave is 10.9 kilometers longer than Carlsbad Caverns in New Mexico. How long is Carlsbad Caverns?

22. **Bocce** Bocce is a lawn bowling game that originated in Italy. The bocce court below has an area of 1032 square feet. The width of the court is 12 feet. What is the length of the court?



23. **Speedskating** In the 2002 Winter Olympics, Cartriona LeMay Doan won the 500-meter race. Her winning time was 74.75 seconds. Find her average speed to the nearest tenth of a meter per second.

24. **Part-Time Job** You work at a grocery store part-time. You estimate that you spend $\frac{3}{5}$ of your time stocking shelves. You work 20 hours each week. How many hours of your work week do you spend stocking shelves?