

Answer Presentation Tool

Book Chapter Section Exercises (44 exercises)Display Cols

1. no; Solving the equation gives a statement that is never true, not one that is always true.
2. Use the Distributive Property to get $9x - 24 = 4x + 6$. Subtract $4x$ from each side to get $5x - 24 = 6$. Add 24 to each side to get $5x = 30$. Divide each side by 5 to get $x = 6$.
3. $x = 3$
5. $p = 7$
7. $t = -1$
9. $x = \frac{1}{2}$
11. $g = -4$
13. $x = -3$
15. $y = -12$
19. no solution
21. $h = 3$; one solution
23. infinitely many solutions

- 25.** In the second step, you should add $3c$ to each side;
 $8c - 6 = 4$, $8c = 10$, $c = \frac{5}{4}$
- 27.** $60 + 42.95x = 25 + 49.95x$; 5th month
- 28.** 50 g
- 29.** $r = -2$
- 34.** no; The cheetah would have to maintain top speed for about 21.7 seconds, which is greater than 20 seconds.
- 38.** **a.** 6 yr
b. The left side shows the Spanish enrollment after x years, and the right side shows the French enrollment after x years; Solving the equation will indicate after how many years the enrollments will be equal.
- 41.** -4 , $|2|$, $|-4|$, 5, 9
- 42.** $-|21|$, -16 , $|-10|$, 22, $|-32|$
- 43.** -19 , -18 , $|-18|$, $|22|$, $|-24|$
- 44.** $-|-3|$, -2 , -1 , $|0|$, $|2|$