

Lesson
3.5**Review & Refresh**

1. A ride-share service charges \$2.20 per mile and a \$7.50 service fee. Write and solve an equation to find the number of miles for a \$24 ride.

Find the sum or the difference.

2. $(5 - 2x) + (4 - 6x) + (3x + 9)$ 3. $(4y - 6) - (5 - 2y) - (3y + 1)$

Solve the equation. Check your solution.

4. $8h = -24$

5. $\frac{x}{-3} = -8$

6. $-8.3 + j = -9.5$

7. $9.2 + g = 4.8$

8. $-0.8x = 9.6$

9. $\frac{2}{3}a = 12$

10. A pool has a width twice of the length. The pool has a one-foot border around the pool.

a. Write an expression for the perimeter.

b. Write an expression for the area.

Simplify the expression.

11. $-5(4 + 2.1c + 3.3d)$

12. $\frac{4}{5}\left(\frac{2}{5}a + b - \frac{3}{5}c\right)$

13. A triangle has side lengths of 4.7 inches and 8.5 inches. The perimeter is 19.3 inches. Write and solve an equation to find the missing side length.

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Review & Refresh (continued)

Solve the equation. Check your solution.

14. $-2(a + 4) = 2$

15. $10 - 4x = 18$

16. $\frac{1}{4}y - \frac{1}{3} = \frac{7}{12}$

17. $-2\left(p + \frac{3}{4}\right) = -4$

18. $1.4 = 6n - 10.6$

19. $1.1(x - 3) = 4.4$

20. In a game, you score $(2p + 5)$ points. Your friend scores $(4p + 7)$ points. Find the total points.

Find the sum or the difference.

21. $(3x + 4) + (6 - 5x)$

22. $(10c + 2) - (6c + 9)$

23. $(-3b + 1.1) + (4.8b - 2.6)$

24. $(3 - 2.2x) - (8.8x + 4)$

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Self-Assessment

Use the scale to rate your understanding of the learning target and the success criteria.

- 1 I don't understand yet.
2 I can do it with help.
3 I can do it on my own.
4 I can teach someone else.

	Rating	Date
3.5 Solving Two-Step Equations		
Learning Target: Write and solve two-step equations.	1 2 3 4	
I can apply properties of equality to produce equivalent expressions.	1 2 3 4	
I can solve two-step equations using the basic operations.	1 2 3 4	
I can apply two-step equations to solve real-life problems.	1 2 3 4	