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Date: 1 - 7 - 2021

Lesson 5.3 Simplifying Algebraic Expressions

Simplify each expression.

1. $g + g + g = 3g$

$$1 + 1 + 1 = 3g$$

2. $4w + 6w = 10w$

$$4w + 6w = 10w$$

3. $8a - 3a = 5a$

$$8a - 3a = 5a$$

4. $15b - 7b = 8b$

$$15b - 7b = 8b$$

5. $16h - 7h - 2h = 7h$

$$16h - 7h = 9h$$

$$9h - 2h = 7h$$

6. $20k - 6k - 8k = 6k$

$$20k - 6k = 14k - 8k = 6k$$

7. $9d - 5d + 7d = 11d$

$$9d - 5d = 4d + 7d = 11d$$

8. $17n + 6n - 8n$

$$17n + 6n = 23n \quad 23n - 8n = 15n$$

Name: LozDate: 1 - 7 - 2021**Simplify each expression.**

9. $5x + 7x - 4 = 8$

$5x + 7x = 12x$

$12x - 4 = 8$

10. $6 + 7g + 3g = 16$

$7g + 3g = 10g$

$10g + 6 = 16$

11. $8n + 5 - 4n = 9$

$8n - 4n = 4n$

$4n + 5 = 9$

12. $8d - 5 + 7d - 9d = 3$

$9d - 8d = d$

$d + 7d = 8d$

$8d - 5 = 3$

13. $3 + 8k + 9 - 5k = 15$

$8k - 5k = 3k$

$9 + 3 = 12$

$3k + 12 = 15$

14. $10w + 11 - 3w - 8 = 12$

$10w - 3w = 7w$

$11 - 8 = 3$

$7w + 3 = 12$

15. $10 + 5h - 6 + 8h = 17$

$13h + 4 = 17$

$8h + 5h = 13h$

$10 - 6 = 4$

16. $11 + 7m - 6 - 4m = 8$

$7m - 4m = 3m$

$3m + 5 - 6 = 5$
 $= 8$

17. $8 + 12s - 7 - 9s + 4 = 8$

$12s - 9s = 3s$

$8 + 4 - 7 = 5$

$3s + 5 = 8$

18. $5n + 10 + 8n - 9n + 3 = 17n$

$5n + 8n = 13n - 9n = 4n$

$10 + 3 = 13 + 4n = 17n$

