Better! -2 16/18 -10 8/18

Name: Loz Date: 1 - 7 - 2021

redo

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 23n - 8n = 15n

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Simplify each expression.

9. $5x + 7x - 4$

5x + 7x = 12x

12x - 4x

You cannot subtract 12x - 4. You could only do this if 4 had an x. Example: 12x - 4x

Therefore, the problem cannot be solved any further

10. $6 + 7g + 3g$

7g + 3g = 10g

10g + 6

11. $8n + 5 - 4n$

8n - 4n = 4n

4n + 5

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

9d - 8d = d

d + 7d = 8d

8d - 5

6d - 5

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

8k - 5k = 3k

9 + 3 = 12

3k + 12

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

10w - 3w = 7w

11 - 8 = 5

7w + 5

7w + 3

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

13h + 4

8h + 5h = 13h

10 - 6 = 4

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

7m - 4m = 3m

3m + 5

11 - 6

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

12s - 9s = 3s

8 + 4 = 12 - 7 = 5

3s + 5

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

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

10 + 3 = 13

13 + 4n