

7th Grade
Feb 11, 2021

Today we will:

-Review HW

-Work on Lesson 2
ALEKS homework




HOMEWORK:

ALEKS assignment

ALEKS assignment:
60 min and 5 topics
due TONIGHT by 11:59pm




 Name _____
 Unit _____ Lesson _____ Due Date _____

Lesson 2 Homework Practice
Simplifying Algebraic Expressions

Identify the terms, like terms, coefficients, and constants in each expression.

1. $-21w + 5 + 3w - 1$
 Terms: $-21w, 5, 3w, -1$
 Like terms: $-21w$ and $3w, 5$ and 1
 Coefficients: $-21, 3$
 Constants: $5, -1$

2. $f - 3fg + 2g - fg + 1$
 Terms: $f, -3fg, 2g, -fg, 1$
 Like terms: $-3fg, -fg$
 Coefficients: $1, -3, 2, -1$
 Constants: 1

Simplify each expression.

3. $-8q + 6 + 5q - 3$ $-8 + 5$
 $-3q + 3$

4. $1h + 5h - 3 - 6h$
 $1 + 5 - 6 = 0h = 0$
 -3

5. $2a + 3(a + 1)$
 $2a + 3a + 3$
 $5a + 3$

6. $b + 2(b + 2)$
 $b + 2b + 4$
 $3b + 4$

7. $9 + 7 + 3(t + 3)$
 $9 + 7 + 3t + 9$
 $25 + 3t$

8. $-8 + 5(g + 2) - 2$
 $-8 + 5g + 10 - 2$
 $5g$

9. $12m + 9 - 2m - 16$ $9 + 16$
 $10m - 7$

10. $4(y - 3) + 9 - 3y$
 $4y - 12 + 9 - 3y$
 $y - 3$

11. $r + r + r + r + r$
 $5r$

12. $-14y + 12(x + y) - 12x$
 $-14y + 12x + 12y - 12x$
 $-14y + 12y = -2y$

14. $-55n + 28n + 21n + 7n - n$
 $-55 + 28 + 21 + 7 - 1 = 0$
 0

13. $19g - 4h + 4 + 20(g + 1)$
 $19g - 4h + 4 + 20g + 20$
 $39g - 4h + 24$

15. $-12z + 4(z + 9) + 30 + z$
 $-12z + 4z + 36 + 30 + z$
 $-7z + 66$

For each situation, write an expression in simplest form that represents the total amount.

16. You bought 3 pieces of chicken that cost x dollars each, a salad for \$3, and a drink for \$1.

$3x + 3 + 1 = 3x + 4$

17. Sal has scored g goals this season. Ben has scored four times as many goals as Sal. Chun has scored three fewer goals than Ben.

$Sal = g$
 $Ben = 4g$
 $Chun = 4g - 3$

$g + 4g + 4g - 3 = 9g - 3$

