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3-7 HW

Int 1

Adding and Subtracting Linear Expressions

Unit 3

Simplify the following expressions:

1. $6(-x + 12) - 3(-4x + 2)$

8. $(9x - 11) - 5(x - 6)$

2. $-4(5x + -7) - 6(3x - 9)$

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

3. $(5x + 7) - (x - 2)$

10. $7(3x + 4) - 10(x + 1)$

4. $(2x - 6) - (x - 7)$

11. $-8(2x + 4) - 2(-7x + 2)$

5. $(3x + 5) + (4x - 1)$

12. $(-7x + 4) + (5x - 12)$

6. $(6x + 2) - (4x - 7)$

13. $-4(6x + 3) - 6(4x - 4)$

7. $2(4x - 8) - 3(-3x + 10)$

14. $5(x + 4) - 5(-3x + 6)$

Simplify the following expressions:

15. $-11(3x - 2) - 7(x - 2)$

20. $5(9g - 9h) - 4(3g + 6)$

16. $2(7x - 9) + 8(-x - 6)$

21. $8(8u - 3v + 6) - 2(-4u - 2v - 1)$

17. $(14x - 9) - 13(3x - 1)$

22. $-12(x - 1) + (6x + 3)$

18. $\frac{1}{2}(8w + 6) - (w + 8)$

23. $11(4x + 2) - 8(3x - 1)$

19. $5(-3x + 9) + 3(14x - 2)$

CORE REVIEW:

Simplify the following expressions.

24. $4x - 2 + 3x + 4x - 2 + x$

25. $50 - 10(4x + 3) + 14x$

Evaluate the following expressions if $x = \frac{2}{5}$ and $y = \frac{5}{6}$.

26. xy

27. $x - y$

28. x^2

29. $3x + 2y$

30. $x \div y$