

NAME _____

HW # _____

Simplify by multiplying terms or using the distributive property.

1. $4(3x)$

2. $-5(2x)$

3. $(2)(3x)(4)$

4. $-2(5x + 6)$

5. $4(x - 6)$

6. $-(4 - y)$

Simplify each algebraic expression by combining like terms.

7. $5y - 3x + 4 + y - 6 - 8x$

8. $3.2k - 4 + 5.9k - 1$

Simplify each algebraic expression. Show all work step by step.

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

10. $-3(3x + 2) + 2x + 12$

11. $6(x + y) + 3(x - 2y)$

12. $5 + 2(7a - 9)$

13. $\frac{3}{4}(3x + 6) + \frac{1}{4}(5x + 24)$

14. $(2n - 9) - 5(-2.4n + 4)$

15. Describe and correct the error.

$$4m - 3(2m - 5)$$

$$4m - 6m - 15$$

$$-2m - 15$$