

SKILLS PRACTICE 24

For use with Section 3-4

Like Terms and Common Factors

NAME _____

DATE _____

Combine like terms.

1. $2x + 3x$ _____

2. $2x - 5x$ _____

3. $-4x + 9x$ _____

4. $-3x - 5x$ _____

5. $4x + 2x - 2$ _____

6. $7x - x$ _____

7. $5 - 5x + 8x$ _____

8. $5 - 5x + 8$ _____

Simplify by distributing and combining like terms.

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

10. $2(x - 5) + 3$ _____

11. $8 - 2(7x + 3)$ _____

12. $8 - 2(7x - 3)$ _____

13. $5 - 1(3x + 4)$ _____

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

15. $-4 - 3(4x - 5)$ _____

16. $-5(4x + 2) - 8$ _____

17. $-(4 - x) + 6$ _____

18. $9 + 2(3x + 4)$ _____

19. $9 - 2(-3x - 4)$ _____

20. $4 - 2(x + 4) - 3(5x - 2)$ _____

Write expressions to describe the given situations.

21. You have x cents, then you spend 35 cents. How much do you now have?

22. You are y years old. Your little brother is three fourths of your age. How old is your little brother?

23. There are twice as many freshmen in your class as there are sophomores. If there are s sophomores, how many freshmen are there?

24. Evaluate $2(x - 4)$ if x is

a. -3 _____ b. 9 _____

25. Evaluate $2x^2 - 3x + 5$ if x is

a. -2 _____ b. 2 _____