

SKILLS PRACTICE 23

For use with Section 3-3
More Distributive Properties

NAME _____

DATE _____

Simplify by distributing multiplication or division over addition or subtraction. Write in lowest terms.

1. $2(3x + 4)$ _____

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

3. $-1(7 + x)$ _____

4. $-(7 - x)$ _____

5. $\frac{1}{2}(4x + 6)$ _____

6. $\frac{4x + 6}{2}$ _____

7. $(8x - 5) \cdot 7$ _____

8. $(3 - 4x)(-6)$ _____

9. $\frac{6x - 4}{-2}$ _____

10. $3(x - y + 7)$ _____

11. $(-3)(2x - 4y - 6)$ _____

12. $(2x - 4y - 6)(-3)$ _____

13. $-(8 - x)$ _____

14. $-(x - 8)$ _____

15. $-1(6x - 5)$ _____

16. $-(6x - 5)$ _____

17. $(-8 + 6x)(-4)$ _____

18. $(4 + 6x - 5y) \cdot 2$ _____

19. $\frac{8x - 6y + 9}{-2}$ _____

20. $8\left(\frac{1}{2} + \frac{3}{4}x\right)$ _____

Simplify exercises by commuting and associating.

21. $5 - 6x + 3$ _____

22. $-8 + 5x - 9$ _____

23. $9 - x - 6$ _____

24. $5 + 4y - 8$ _____

25. $3 + 7x + 4$ _____