Lesson 1-5

Rewrite each expression using the Distributive Property. Then simplify.

1. $5(2 + 9)$ **55**
2. $8(10 + 20)$ **240**
3. $20(8 - 3)$ **100**
4. $3(5 + w)$ **$15 + 3w$**
5. $(h - 8)7$ **$7h - 56$**
6. $6(y + 4)$ **$6y + 24$**
7. $9(3n + 5)$ **$27n + 45$**
8. $32\left(x - \frac{1}{8}\right)$ **$32x - 4$**
9. $c(7 - d)$ **$7c - cd$**

Use the Distributive Property to find each product.

10. $6 \cdot 55$ **330**
11. $15(108)$ **1620**
12. $1689 \cdot 5$ **8445**
13. 7×314 **2198**
14. $36\left(5\frac{1}{4}\right)$ **189**
15. $\left(4\frac{1}{18}\right) \cdot 18$ **73**

Simplify each expression. If not possible, write *simplified*.

16. $13a + 5a$ **$18a$**
17. $21x - 10x$ **$11x$**
18. $8(3x + 7)$ **$24x + 56$**
19. $4m - 4n$ **simplified**
20. $3(5am - 4)$ **$15am - 12$**
21. $15x^2 + 7x^2$ **$22x^2$**
22. $9y^2 + 13y^2 + 3$ **$22y^2 + 3$**
23. $11a^2 - 11a^2 + 12a^2$ **$12a^2$**
24. $6a + 7a + 12b + 8b$
    $13a + 20b$