Name _____ Date _____

1.5 **Extra Practice Worksheet**

Core Concepts

Common Formulas

Temperature F = degrees Fahrenheit, C = degrees Celsius

$$C = \frac{5}{9}(F - 32)$$

Simple Interest I = interest, P = principal,

r = annual interest rate (decimal form),

t = time (years)

$$I = Prt$$

Distance d = distance traveled, r = rate, t = time

$$d = rt$$

Extra Practice

1–6: Solve the literal equation for *y*.

1. $y - 2x = 15$

2. $4x + y = 2$

3. $5x - 2 = 8 + 5y$

4. $y + x = 11$

5. $3x - y = -4$

6. $3x + 1 = 7 - 4y$

7–12: Solve the literal equation for *x*.

7. $y = 10x - 4x$

10. $y + 4x = 10x - 6$

11. $4g + r = 2r - 2x$

12. $3z + 8 = 12 + 3x - z$

13–16: Solve the formula for the indicated variable.

13. Area of a triangle: $A = \frac{1}{2}bh$; Solve for b.

14. Volume of a cone: $V = \frac{1}{3}\pi r^2 h$; Solve for h.

15. Ohm's Law: $I = \frac{V}{R}$; Solve for R.

16. Ideal Gas Law: $PV = nRT$; Solve for R.