

Extra Practice

Lesson 3-8

(pages 166–170)

Solve each equation or formula for x .

1. $x + r = q$ $q - r$

4. $\frac{x - c}{c + a} = a$ $a^2 + ac + c$

7. $d(x - 3) = 5$ $\frac{3d + 5}{d}$

10. $y = \frac{5}{9}(x - 32)$ $\frac{9}{5}y + 32$

2. $ax + 4 = 7$ $\frac{3}{a}$

5. $\frac{x + y}{c} = d$ $cd - y$

8. $nx - a = bx + d$ $\frac{a + d}{n - b}$

11. $A = \frac{1}{2}h(x + y)$ $\frac{2A}{h} - y$

3. $2bx - b = -5$ $\frac{-5 + b}{2b}$

6. $\frac{ax + 1}{2} = b$ $\frac{2b - 1}{a}$

9. $3x - r = r(-3 + x)$ $\frac{-2r}{3 - r}$

12. $A = 2\pi r^2 + 2\pi rx$ $\frac{A}{2\pi r} - r$