

**Solving Equations and Formulas**

**Exercises**

**Solve each equation or formula for the variable specified.**

1.  $ax - b = c$  for  $x$

2.  $15x + 1 = y$  for  $x$

3.  $(x + f) + 2 = j$  for  $x$

4.  $xy + z = 9$  for  $y$

5.  $x(4 - k) = p$  for  $k$

6.  $7x + 3y = m$  for  $y$

7.  $4(c + 3) = t$  for  $c$

8.  $2x + b = c$  for  $x$

9.  $x(1 + y) = z$  for  $x$

10.  $16z + 4x = y$  for  $x$

11.  $d = rt$  for  $r$

12.  $A = \frac{h(a + b)}{2}$  for  $h$

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

14.  $P = 2\ell + 2w$  for  $w$

15.  $A = \ell w$  for  $\ell$