

**Solving Equations and Formulas****Solve for  $x$ .**

1.  $7x = t$

2.  $\frac{x - c}{2} = d$

3.  $ax - c = b$

4.  $fx + 3y = 2z$

5.  $e = rx$

6.  $2p = kx - q$

**Solve for  $y$ .**

7.  $ry + s = tx - m$

8.  $x + 3y = 1$

9.  $x - 2y = 1$

10.  $\frac{2}{3}y + k = j$

11.  $5(2a + y) = 3b$

12.  $\frac{2}{3}y + a = a + b$

**Write an equation and solve for the variable specified.**

13. Five more than a number  $x$  is six less than twice a number  $y$ .  
Solve for  $x$ .

14. One fourth of a number  $x$  is three more than three times  
a number  $y$ . Solve for  $x$ .

15. Five times a number  $x$  minus 9 is two thirds of a number  $y$ .  
Solve for  $y$ .