

Solve for the indicated variable.

1)  $ax + c = b$  for  $x$

2)  $ax - bx = c$  for  $x$

3)  $zx = 3y(2x - v)$  for  $x$

4)  $\frac{x+a}{d} - b = c$  for  $x$

5)  $\frac{x+y}{7} = 2$  for  $x$

6)  $2x - 4y = 8$  for  $y$

7)  $F = ma$  for  $m$

8)  $V = \frac{1}{3}\pi r^2 h$  for  $h$

9)  $D = \frac{C - S}{n}$  for  $S$

10)  $S = \frac{t}{r}$  for  $r$

11)  $ax + bx - d = gc$  for  $x$

$$12) D = \frac{R(50-y)}{25} \text{ for } R$$

$$13) V = \frac{LT}{R} \text{ for } L \quad 14) ax + b = cx + d \text{ for } x$$

$$15) P = 2l + 2w \text{ for } w \quad 16) A = \frac{1}{2}bh \text{ for } b$$

$$17) A = \frac{a^2 + a + b}{3} \text{ for } b \quad 18) s = v.r + 16r^2 \text{ for } r$$

$$19) C = \frac{5}{9}(F - 32) \text{ for } F \quad 20) \frac{ax}{d} + \frac{bx}{c} = e \text{ for } x$$