

Solve for the indicated variable.

1) $A = L \cdot W$ (for W)

2) $5x + 7y = 4$ (for x)

3) $5x + 7y = 4$ (for y)

4) $2x - 9y = 11$ (for x)

5) $x + 4y - 1 = 2x - y + 3$ (for y)

6) $2(6x - 5y) > 5(2x + y)$ (for y)

7) $3m - 4n + 6p = 5n + 2p - 8$ (m)

8) $\frac{x}{12} - \frac{y}{8} = \frac{x}{4} - \frac{y}{6}$ (for y)

9) $\frac{w-z}{10} - \frac{w}{5} + \frac{z}{4} = 2(z+w)$ (for z)

10) $ax + b = cx + d$ (for x)

11) $p - rz = q - tz$ (for z)

12) $(3x - 2)(2y - 1) = b$ (for y)

13) $y = \frac{3x - 4}{2x - 5}$ (for x)

14) $(x + 3)(y + 7) = a$ (for x)

15) $A = \frac{1}{2}bh$ (for h)

16) $A = \frac{1}{2}h(b_1 + b_2)$ (for h)

17) $A = P(1 + RT)$ (for P)

18) $A = P(1 + RT)$ (for R)

19) $F = \frac{9}{5}C + 32$ (for C)

20) $\frac{1}{f} = \frac{1}{f_1} + \frac{1}{f_2}$ (for f)

1) $W = \frac{A}{L}$ 2) $x = \frac{4 - 7y}{5}$ 3) $y = \frac{-5x + 4}{7}$ 4) $x = \frac{9y + 11}{2}$ 5) $y = \frac{x + 4}{5}$ 6) $y < \frac{2x}{15}$

7) $m = \frac{9n - 4p - 8}{3}$ 8) $y = 4x$ 9) $z = -\frac{42w}{37}$ 10) $x = \frac{d - b}{a - c}$ 11) $z = \frac{p - q}{r - t}$

12) $y = \frac{3x + b - 2}{6x - 4}$ 13) $x = \frac{5y - 4}{2y - 3}$ 14) $x = \frac{a}{y + 7} - 3$ 15) $h = \frac{2A}{b}$ 16) $h = \frac{2A}{b_1 + b_2}$

17) $P = \frac{A}{1 + RT}$ 18) $R = \frac{A - P}{PT}$ 19) $C = \frac{5}{9}(F - 32)$ 20) $f = \frac{f_1 f_2}{f_2 + f_1}$