

3.3--Solving Literal Equations

Solve each equation for the specified variable.

1) Solve $I = Prt$ for P

2) Solve $V = lwh$ for w .

3) Solve $A = \pi r^2$ for π .

4) Solve $A = p + prt$ for t .

5) Solve $d = rt$ for t .

6) Solve $P = 2L + 2W$ for W .

7) Solve $W = VA$ for V

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

9) Solve $y = mx + b$ for m .

10) Solve $ax + by = c$ for y .

Solve each equation for y. (Put in slope-intercept form.)

11) $x + y = 3$

12) $x + 4y = 20$

13) $3x - 2y = 10$

14) $2x + 3y = 0$

15) $5x - 4y = -12$

16) $x - y = -4$

17) $9x + 4y = -20$

18) $7x + y = -2$

19) $3x - 4y = 4$

20) $x + 4y = 12$