

Manipulating Equations

1) Solve for t: $v = v_0 + at$

2) Solve for a: $v = \sqrt{2ad}$

3) Solve for a: $y = v_0t + \frac{1}{2}at^2$

4) Solve for e and c: $\frac{E}{c^2} = m$

5) Solve for v_0 : $v^2 = v_0^2 + 2ay$

6) Solve for y: $6y + z = bc - 2y$

7) Solve for a: $s = \frac{n}{2}(a + t)$

8) Solve for g: $W = mgh$

9) Solve for t: $6t + 62s = \frac{1}{2}(3t - 42s)$

10) Solve for x: $\frac{3x^2 + y}{c} = 4$

11) Solve for r: $V = \pi r^2 h$

12) Solve for F: $C = \frac{5}{9} F - 32$

13) Solve for x: $y(x+2) = x(y-3)$

14) Solve for r: $A = \frac{4\pi r^3}{3}$

15) Solve for t: $T = 2\pi \sqrt{\frac{t}{g}}$

16) Solve for d: $a = b \sqrt{\frac{c}{d}}$

17) Solve for u: $\frac{1}{f} = \frac{1}{u} + \frac{1}{v}$

18) Solve for w: $z = \frac{x}{y-w}$

19) Solve for p: $mn - p = q + rp$

20) Solve for d: $c = \frac{2d+1}{3d-4}$