Rearranging Equations

1) Solve $y = mx + c$ for m.

2) Solve $E = mc^2$ for c.

3) Solve $P = 2(l + w)$ for l.

4) Solve $A = \dfrac{1}{2}bh$ for h.

5) Solve $m = \rho V$ for V.

6) Solve $\dfrac{x^2}{a^2} - \dfrac{y^2}{b^2} = 1$ for a.

7) Solve $I = \dfrac{P}{V}$ for P.

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

9) Solve $ax + by = c$ for b.

10) Solve $s = ut - \dfrac{1}{2}at^2$ for u.

Rearranging Equations

1) Solve $y = mx + c$ for m.

$$m = \frac{y - c}{x}$$

2) Solve $E = mc^2$ for c.

$$c = \sqrt{\frac{E}{m}}$$

3) Solve $P = 2(l + w)$ for l.

$$l = \frac{P}{2} - w$$

4) Solve $A = \frac{1}{2}bh$ for h.

$$h = \frac{2A}{b}$$

5) Solve $m = \rho V$ for V.

$$V = \frac{m}{\rho}$$

6) Solve $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$ for a.

$$a = \pm \sqrt{\frac{b^2 x^2}{b^2 + y^2}}$$

7) Solve $I = \frac{P}{V}$ for P.

$$P = VI$$

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

$$h = \frac{3V}{\pi r^2}$$

9) Solve $ax + by = c$ for b.

$$b = \frac{c - ax}{y}$$

10) Solve $s = ut - \frac{1}{2}at^2$ for u.

$$u = \frac{2s + at^2}{2t}$$