Rearrange Formula

1. Solve for m.

$$T = 4\sqrt{m}$$

2. Solve for d.

$$F = G\frac{mn}{d^2}$$

3. Solve for y.

$$ax + by = c$$

4. Solve for b_1.

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

$$b_1 = \frac{2A}{h} - b_2$$

5. Solve for a.

$$x = \frac{1 + a}{1 - a}$$

6. Solve for x.

$$\frac{ax}{b} + \frac{cx}{d} = e$$

Rearrange Formula

1. Solve for m.

$$T = 4\sqrt{m}$$

$$m = \frac{T^2}{16}$$

2. Solve for d.

$$F = G\frac{mn}{d^2}$$

$$\boldsymbol{d = \pm\sqrt{\frac{Gmn}{F}}}$$

3. Solve for y.

$$ax + by = c$$

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

4. Solve for b_1.

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

$$b_1 = \frac{2A}{h} - b_2$$

5. Solve for a.

$$x = \frac{1 + a}{1 - a}$$

$$\begin{gathered} \boldsymbol{x = \frac{1 + a}{1 - a}} \\ \boldsymbol{x(1 - a) = 1 + a} \\ \boldsymbol{x - xa = 1 + a} \\ \boldsymbol{x - 1 = a + xa} \\ \boldsymbol{x - 1 = a(1 + x)} \\ \boldsymbol{\frac{x - 1}{1 + x} = a} \end{gathered}$$

6. Solve for x.

$$\frac{ax}{b} + \frac{cx}{d} = e$$

$$\begin{gathered} bd\left(\frac{ax}{b} + \frac{cx}{d}\right) = bd(e) \\ dax + cbx = bde \\ x(da + cb) = bde \\ x = \frac{bde}{da + cb} \end{gathered}$$