

Rearranging Equations

1) Solve $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ for x_1 . 2) Solve $R = \frac{V^2}{P}$ for V .

3) Solve $v = r\omega$ for ω .

4) Solve $Q = It$ for t .

5) Solve $\frac{x^2}{a^2} + \frac{y^2}{b^2} =$

PREVIEW

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$2as$ for a .

7) Solve $W = Fs$ for

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$\frac{y_1}{x_1}$ for y_2 .

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9) Solve $V = \pi r^2 h$ for h .

10) Solve $PV = nRT$ for P .

Rearranging Equations

1) Solve $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ for x_1 .

2) Solve $R = \frac{V^2}{P}$ for V .

$$x_1 = x_2 \pm \sqrt{d^2 - (y_2 - y_1)^2}$$

$$V = \pm \sqrt{RP}$$

3) Solve $v = r\omega$ for ω .

4) Solve $Q = It$ for t .

$$\omega = \frac{v}{r}$$

PREVIEW

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

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2as for a.

$$y = \pm \sqrt{b^2 \left(1 - \frac{x^2}{a^2}\right)}$$

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7) Solve $W = Fs$ for s .

$\frac{y_1}{x_1}$ for y_2 .

$$F = \frac{W}{s}$$

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9) Solve $V = \pi r^2 h$ for h .

10) Solve $PV = nRT$ for P .

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

$$P = \frac{nRT}{V}$$