

Name : _____

Rearranging Equations

Sheet 2

1) Solve $K = \frac{1}{2}mv^2$ for v .

2) Solve $v = u + at$ for u .

3) Solve $A = \pi r^2$ for r .

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

5) Solve $s = \frac{a + b}{2}$

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7) Solve $y = ax^2 +$

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9) Solve $P = I^2R$ for R .

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

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Rearranging Equations

1) Solve $K = \frac{1}{2}mv^2$ for v .

$$v = \pm \sqrt{\frac{2K}{m}}$$

2) Solve $v = u + at$ for u .

$$u = v - at$$

3) Solve $A = \pi r^2$ for r .

$$r = \sqrt{\frac{A}{\pi}}$$

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

5) Solve $s = \frac{a+b}{2}$ for m .

$$c = 2s - a - b$$

7) Solve $y = ax^2 +$ for t .

$$a = \frac{y - bx - c}{x^2}$$

9) Solve $P = I^2R$ for R .

$$R = \frac{P}{I^2}$$

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

$$r = \sqrt[3]{\frac{3V}{2\pi}}$$

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