REARRANGING FORMULA

Note Title 11/15/2017

1) $V = lwh$ REARRANGE FOR l

$\frac{V}{wh} = l$ OR $l = \frac{V}{wh}$

2) $A = \frac{bh}{2}$ REARRANGE FOR h.

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

$$\frac{2A}{b} = h \quad \text{or} \quad h = \frac{2A}{b}$$

3) $v = u + at$ for u.

$-at \qquad -at$

$v - at = u \quad$ or $\quad u = v - at$

4) $p = qr - s$ for r

$+s \qquad +s$

$$\frac{p+s}{q} = \frac{qr}{q}$$

$$\frac{p+s}{q} = r \quad \text{or} \quad r = \frac{p+s}{q}$$

5) $a^2 + b^2 = c^2$ for b

$-a^2 \qquad -a^2$

$b^2 = c^2 - a^2$

$\sqrt{\quad} \qquad \sqrt{\quad}$

$b = \sqrt{c^2 - a^2}$

6) $-4x - 2y + 6 = 0$ for y

$+4x \qquad +4x$

$-2y + 6 = 4x$

$-6 \qquad -6$

$$\frac{-2y}{-2} = \frac{4x-6}{-2}$$

$$y = \frac{4x}{-2} - \frac{6}{-2}$$

$$y = -2x + 3$$

7) $SA = \pi r^2 + \pi r s$ for s

$-\pi r^2 \quad -\pi r^2$

$$\frac{SA - \pi r^2}{\pi r} = \frac{\pi r s}{\pi r}$$

$$\frac{SA - \pi r^2}{\pi r} = s$$