

## Rearranging Scientific Formulae

(a)	(b)	(c)	(d)	(e)
$v = u + at$	$A = 2\pi r^2 + \pi dh$	$s = \frac{(u + v)}{2}t$	$v^2 = u^2 + 2as$	$v = \omega\sqrt{A^2 - x^2}$
Make $u$ the subject.  $u = v - at$	Make $d$ the subject.  $d = \frac{A - 2\pi r^2}{\pi h}$	Make $t$ the subject.  $t = \frac{2s}{u + v}$	Make $u$ the subject.  $u = \pm\sqrt{v^2 - 2as}$	Make $\omega$ the subject.  $\omega = \frac{v}{\sqrt{A^2 - x^2}}$
Make $t$ the subject.  $t = \frac{v - u}{a}$	Make $h$ the subject.  $h = \frac{A - 2\pi r^2}{\pi d}$	Make $u$ the subject.  $u = \frac{2s}{t} - v$	Make $a$ the subject.  $a = \frac{v^2 - u^2}{2s}$	Make $A$ the subject.  $A = \pm\sqrt{\frac{v^2}{\omega^2} + x^2}$
Make $a$ the subject.  $a = \frac{v - u}{t}$	Make $r$ the subject.  $r = \pm\sqrt{\frac{A - \pi dh}{2\pi}}$	Make $v$ the subject.  $v = \frac{2s}{t} - u$	Make $s$ the subject.  $s = \frac{v^2 - u^2}{2a}$	Make $x$ the subject.  $x = \pm\sqrt{A^2 - \frac{v^2}{\omega^2}}$