

a $v^2 = u^2 + 2as$ Find the positive value of v when $u = 3$, $a = 4$, $s = 2$ $v = 5$ substitute, then a square root	b $s = ut + \frac{1}{2}at^2$ Find a when $s = 40$, $u = 3$, $t = 4$ $a = 3.5$ substitute, then solve	c $V = \frac{1}{3}\pi r^2 h$ Find h when $V = 12\pi$, $u = 3$, $t = 4$ $h = 9$ a value with π	d Make u the subject of $v^2 = u^2 + 2as$ $u = \sqrt{v^2 - 2as}$ subtract, then undo a square
e Make h the subject of $A = 2\pi r^2 + 2\pi rh$ $h = \frac{A - 2\pi r^2}{2\pi r}$ the subject in one term only	f Make r the subject of $V = \frac{4}{3}\pi r^3$ $r = \sqrt[3]{\frac{3V}{4\pi}}$ undo a fraction and a cube	g Make x the subject of $\frac{x-2}{3} = \frac{x+y}{5}$ $x = \frac{3y + 10}{2}$ a fraction on each side	h Make x the subject of $y = 3 - \frac{2}{x}$ $x = \frac{2}{3-y}$ a subtracted denominator
i Make x the subject of $y = a - \frac{b}{x^2}$ $x = \sqrt{\frac{b}{a-y}}$ a squared subject underneath	j Make m the subject of $E = \frac{1}{2}mv^2 + mgh$ $m = \frac{2E}{v^2 + 2gh}$ the subject in two terms	k Make x the subject of $xy = 3x + 5$ $x = \frac{5}{y-3}$ the subject on both sides	l Make x the subject of $\frac{x}{a} = b + x$ $x = \frac{ab}{1-a}$ the subject twice with a fraction

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