

a $y \propto x$ and $y = 14$ when $x = 4$. Write y in terms of x . $y = 3.5x$ a formula with a decimal k	b y is inversely proportional to x . $y = 9$ when $x = 4$. Write y in terms of x . $y = \frac{36}{x}$ an inverse formula from words	c y is inversely proportional to x . $y = 9$ when $x = 4$. Find x when $y = 12$. 3 inverse: finding x	d $y \propto \frac{1}{x}$. x is doubled. What is y multiplied by? $\frac{1}{2}$ doubling x in inverse proportion
e y is proportional to x^2 . $y = 12$ when $x = 2$. Write y in terms of x . $y = 3x^2$ a square formula	f $y \propto x^2$ and $y = 12$ when $x = 2$. Find y when $x = -4$. 48 squaring a negative x	g $y \propto x^2$ and $y = 5$ when $x = 2$. Write y in terms of x . $y = \frac{5}{4}x^2$ k as a fraction	h $y \propto x^3$ and $y = 54$ when $x = 3$. Find y when $x = 2$. 16 proportional to x cubed
i $y \propto \sqrt{x}$ and $y = 10$ when $x = 4$. Find x when $y = 30$. 36 a square root, working backwards	j y is inversely proportional to x^2 . $y = 2$ when $x = 3$. Find y when $x = 6$. 0.5 inversely proportional to x squared	k $y \propto \frac{1}{x^2}$ and $y = 4$ when $x = 3$. x is positive. Find x when $y = 1$. 6 inverse square, working backwards	l $y \propto \frac{1}{x^2}$. x is halved. What is y multiplied by? 4 halving x with an inverse square

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