
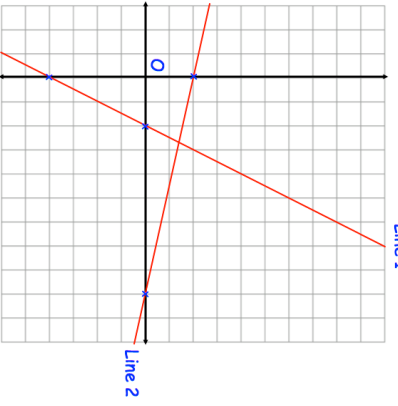

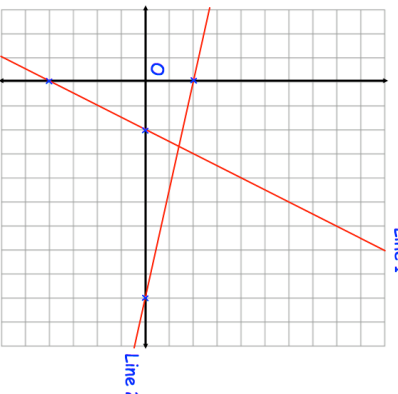


<b>23rd March</b>	 Corbettmaths
<p>Two solids are mathematically similar. The surface area of the smaller solid is <math>42\pi \text{ cm}^2</math> The surface area of the larger solid is <math>1512\pi \text{ cm}^2</math></p>	<p>The height of the larger solid is 96cm. Work out the height of the smaller solid.</p>
$w = \frac{\sqrt[3]{y}}{r}$	<p><math>y = 1800</math> to 2 significant figures <math>r = 7.1</math> to 1 decimal place</p> <p>By considering bounds, work out the value of <math>w</math> to a suitable degree of accuracy</p>
<p>Make <math>x</math> the subject of</p> $y = \frac{x + 7}{x - 3}$	
	<p>Shown are two straight lines drawn on the grid. Line 2 has equation <math>y = -2x + 18</math> Find the equation of Line 1</p> <p>Are the two lines perpendicular?</p>

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