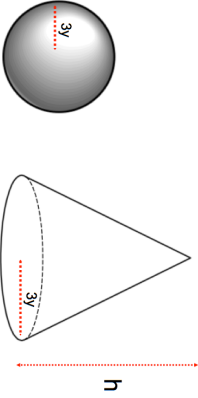
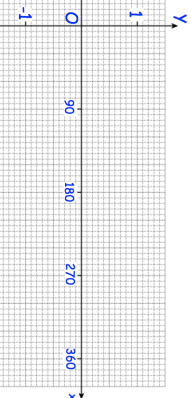
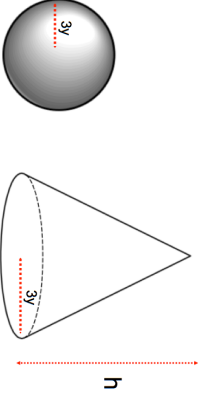
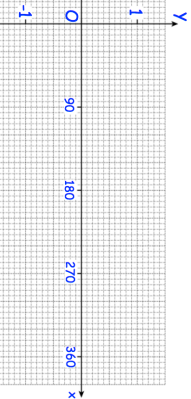


27th November		Corbettmaths
Express $x^2 + 8x + 40$ in the form $(x + a)$		
	<p>The volume of the cone is twice the volume of the sphere.</p> <p>Express <math>h</math> in terms of <math>y</math>.</p>	
	<p>Sketch the graph of <math>y = -\sin x</math> for <math>0 \leq x \leq 360</math>.</p>	
<p>Given that <math>a = \sqrt{3}</math> and <math>b = \sqrt{48}</math> find the value of <math>a^2</math></p>	<p>show that <math>(a + b)^2 = 75</math></p>	
<p>There are 20 sweets in a box. There are <math>y</math> chocolate sweets and the rest of the sweets are mints.</p> <p>Florence takes out two sweets, at random, from the box.</p>	<p>Find an expression, in terms of <math>y</math>, for the probability that Florence takes one sweet of each flavour.</p>	

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