


30th April	
<p>Simplify</p> $(3x - 5)^2 - (x - 3)^2$	 Corbettmaths
<p>The first term of an arithmetic series is 8.</p> <p>The third term is 16.</p> <p>Find the 30th term.</p>	
<p>The line L1 has equation $2x + 3y + k = 0$</p> <p>Given the point (5, 8) lies on L1, find the value of k.</p>	
<p>The line L2 is perpendicular to L1 and passes through (5, 8).</p> <p>Find the equation L2 in the form $ax + by + c = 0$</p>	
<p>A curve has equation $y = x^3 + x^2 - 16x + 9$.</p> <p>There are two coordinates on C where the gradient of the normal to C is equal to $-\frac{1}{5}$.</p>	<p>Find the x-coordinates of these points.</p>