


13th Dec	
<p>A sequence is defined as</p> $u_1 = a$ $u_{n+1} = 6u_n + 1$ <p>Find u_3 in terms of a.</p>	 Corbettmaths
<p>Solve</p> $x^2 + y = 0$ $2x + y = -3$	
<p>Find the set of values of x for which both</p> $5x - 12 > 36 - x$ <p>and</p> $2x^2 - 5x - 12 \geq 0$	
<p>The line l_1 has equation $y = 2x + 11$ The line l_2 has equation $5x + 2y - 9 = 0$</p> <p>Find the gradient of line l_2</p>	<p>Find the point of intersection of l_1 and l_2</p>
<p>Prove</p> $S_n = \frac{n}{2} [2a + (n-1)d]$	