


22nd April	
<p>Find the set of values of x for which</p> $2x + 4 < 8 - 7x$ <p>and</p> $x^2 - 5x \geq 36$	 Corbettmaths
<p>The quadratic equation $kx^2 - 20x + k = 0$ has equal roots.</p> <p>Find the possible values of k.</p>	
<p>The line L_1 has equation $y = 2x - 3$ The line L_2 has equation $5x + y + 12 = 0$</p> <p>The lines intersect at the point A. Find the coordinates of A</p>	
<p>The first term of an arithmetic sequence is 120 and the common difference is -4.5</p> <p>S_n is the sum of the first n terms of the sequence</p>	Find the largest possible value of S_n
$\int \frac{3}{4} \sqrt{x} \, dx$	