


21st Dec	
<p>Solve</p> $3x^2 - 4x - 7 < 0$	 Corbettmaths
<p>Simplify</p> $y^{\frac{2}{7}} \times y^{\frac{3}{5}}$	
<p>A sequence is defined as</p> $a_{n+1} = \sqrt{a_n + 3}$ $a_1 = 2$ <p>Find a_4</p>	
<p>The curve C has equation $y = f(x)$ and passes through the point (5, 20). Given</p> $f'(x) = (x + 1)(2x + 3)$	Find the equation of C
<p>Find the value of the value k for which the straight line $y = 2x + k$ is a tangent to the curve</p> $y = x^2 - 4x - 8$	