


19th March	
<p>Simplify</p> $(3x)^0$	 Corbettm0ths
<p>The point A has coordinates (3, 2) The point B has coordinates (-2, 5) The point C has coordinates (-2, 8)</p> <p>Find the area of triangle ABC.</p>	
<p>A man is training for a marathon. He completes 40 training runs. He runs a miles in the first run, $a + d$ miles in the second run, $a + 2d$ miles in the third run and so on.</p> <p>Over the 40 runs, he runs a distance of 250 miles in total</p>	<p>Use this information to form an equation in a and d.</p>
<p>The curve C has equation $y = f(x)$ where</p> $\frac{dy}{dx} = 2x - \frac{6}{\sqrt{x}}$ <p>Given the point P(4, 3) lies on C, find $f(x)$</p>	
<p>Find an equation of the tangent to C at the point P. Give your answer in the form $ax + by + c = 0$</p>	