

11th February	5-a-day	Core 1
<p>Write</p> $\frac{10 - \sqrt{32}}{\sqrt{2}}$ <p>in the form</p> $a + b\sqrt{2}$		
<p>Solve <math>x^2 + 8x - 2</math> using completing the square</p>		
<p>Solve</p> $3^{x+2} = 27^{5-2x}$		
<p>A curve has equation <math>y = x^3 + 2x + 1</math></p> <p>Find the equation of the tangent to the curve at the point (1, 4)</p>		
<p>Find the equation of the normal to the curve <math>y = x^3 + 2x + 1</math> at the point (1, 4)</p>		