


5th Feb	
Solve $16^{x+5} = 32^{2x-1}$	 Corbettm0ths
The equation $x^2 + (k + 2)x + 4 = 0$ has two real roots for x. Find the set of possible values of k.	
Find the equation of the tangent to the curve $y = x(x + 2)(x + 5)$ at the point $(-2, 0)$.	
$5x^2 + 10x + 3 \equiv a(x + b)^2 + c$ Find the values of the constants a, b and c.	
Sketch $y = 5x^2 + 10x + 3$ Showing the coordinates of any points where the curve crosses the coordinates axes. Also show the minimum point.	