

Feb 16th	5-a-day	Core 1
Find the coordinates of the points where the line $y = x + 13$ and $y = x^2 + 18x + 85$ meet.		
Solve $x^4 + 2x^2 - 24 = 0$		
A is the point $(-6, 3)$ B is the point $(2, 7)$ Find the equation of the line perpendicular to AB and passing through the midpoint of AB.		
A sequence $a_1, a_2, a_3 \dots$ is given as $a_1 = 5$ $a_{n+1} = 3a_n + 1$ Find the value of a_4		
$f(x) = 2x^3 - 5x^2 + 1$ Find the equation of the tangent to the curve at the point $(2, -3)$.		