Exercise 1 Calc. : ✓

The function $y = 2x^3 - 5x^2 - 4x + 2$ is defined for $x \in \mathbb{R}$.	
1. Use differentiation to determine the (x, y) coordinate for any stationary points of the function y.	2 marks
2. Classify the nature of any stationary points in terms of local maxima or minima.	3 marks
3. Find the range of x values for which the curve is increasing.	2 marks
4. Find the equation of the tangent line at $x = 1$.	3 marks