1. Find the equation of the tangent line to the curve $x^3y^3 = 9y$ at the point with coordinates $(1, 3)$. You may use implicit differentiation.
2. Check the hypotheses of the Mean Value Theorem and find a value of $c$ which makes the conclusion true for the function $f(x) = x^3 + x^2$ on the interval $[0, 1]$. 