12F Tangents & Normals

1. Find the equation of the <u>tangent</u> to the curve $y = x^3 - 3x^2 + 2x - 1$, at the point (3,5).

2. Find the equation of the <u>normal</u> to the curve $y = 8 - 3\sqrt{x}$ at the point where x = 4.