AP Calculus Implicit Differentiation Review

Find
$$\frac{dy}{dx}$$
 for each.
1. $x^3 + y^3 - 9xy = 8$
2. $2y = x^2 + siny$

3. Find
$$\frac{d^2y}{dx^2}$$
: $2x^3 - 3y^2 = 8$

4. Find the equation of the tangent line and the normal line $x^2 + xy - y^2 = 1$ at (2, 3).