AP Calc AB: Practice with Derivative Definition

1. Given $f(x) = x^2 + 4x + 9$, find the equation of the tangent line drawn to f(x) at x = 1.

2. Given $g(x) = 2x^2 - 3x + 5$, find the equation of the normal line drawn to g(x) at x = 1.

3. Given $f(x) = -x^2 + 2x - 3$, find the equation of the tangent line drawn to f(x) at x = 2.