2) Find y' if $xy = y^2 + 1$.

3) Find y' if ln(xy) + y = 2.

4) Find an equation of the tangent line to the curve $x^2 + y + y^2 = 13$ at the point (-1, 3).

5) Find an equation of the tangent line to the curve $x^2 + y^2 + xy = 16$ at the point (0, 2).

6) Use implicit differentiation to find $\frac{dy}{dx}$ explicitly in terms of x and y from $3x^2 + 7xy + y^2 = 19$.

7) Use implicit differentiation to find $\frac{dy}{dx}$ explicitly in terms of x and y from $xy^2 = e^x + y$.

8) Use implicit differentiation to find $\frac{dy}{dx}$ explicitly in terms of x and y from $xe^x + (\ln x)y + y^2 = 3$.