Implicit Differentiation Practice

- 1. Implicitly take the derivative of the following functions. Solve for y' if feasible.
 - (a) $x^2 + y^2 = 16$
 - (b) $x^2y + y^3 = x$
- 2. Consider $xy^2 = 1$.
 - (a) Implicitly find the derivative of y.
 - (b) What is the slope of the curve at the point (1, -1)?
 - (c) What is the slope of the curve at the point (1, 1)?