Section 14.5 Worksheet:

a. The chain rule is a pretty straightforward generalization of the univariate chain rule. Represent the univariate chain rule in terms of a tree diagram, as in Figures 2-4.

b. What is the difference between independent, intermediate, and dependent variables?

c. In the case of $F(x, y) = 0$, what are the assumptions which allow us to use the implicit function theorem?