1. Goals (3.8):
   a. Implicit differentiation
2. Implicitly defined function
   a. Simple examples.
   b. When there are multiple function options – example: circle.
   c. Circle: Find two implicit functions that cover all cases, then find derivatives.
   d. But what to do if you cannot find implicit functions?? (Use implicit differentiation!)
3. Implicit differentiation
   a. Example continued: Circle: Derivative should depend on x and y value
   b. The method:
      i. Differentiate the expression implicitly (i.e. multiply by y' whenever a y expression is differentiated).
      ii. Solve for y'
   c. Apply to circle
      i. Circle: Points where tangent line horizontal?
   d. Problems:
      i. 3.8: From 300 to 309
      ii. 3.8: 317, 318, 325, 326, 327
   e. Some reason for this:
      i. Treat "y" as a function. Do examples, starting with "y(x)" as inside function.
      ii. Combine expressions with x and y and find derivative.