MAT175, Spring 2019   **Renato Ghini Bettiol**

Homework Set 8

Due: March 25, 2019 (at the beginning of class)

To be handed in

Please write your solutions to Problem 1 on a single sheet of paper!

1. Find the slope of the tangent line to the curve $(x^2 + y^2)^2 = 4xy$ at the point $(1, 1)$.
   Hint: Consider $y = y(x)$ as a implicitly defined function of x near this point.

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3. Textbook (5th edition) Section 3.5, Exercises 1-9, 37-40

4. Textbook (5th edition) Section 3.6, Exercises 21-28