Quiz 5   Name: _____
Week 7: 02/25/2020
Math 285: Spring 2020
Instructor: Garrett Hartshaw

Instructions:
Please answer the questions below. Show all your work. You may use a TI-84/85 (or equivalent) calculator.

Find the derivative of the following functions.

Problem 1. (5 points) $f(x) = x^5 + 2x^4 - 7x^3 - 10x^2 + 3x + 5$

Problem 2. (5 points) $f(x) = \dfrac{x^2 + 2}{x^3 + 3x}$

Problem 3. (5 points) $\sqrt{x^2 + 3x - 7}$

Problem 4. (5 points) $f(x) = \dfrac{(x^2 + 3x + 1)(x^2 - 2x + 3)}{x^2 - 3x - 6}$