

### Homework Set 7

DUE: APR 6, 2020 (1:00PM EDT VIA BLACKBOARD)

**To be handed in:**

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

1. Find the minimum and maximum values that  $f(x, y) = 3x - 4y$  assumes among points  $(x, y)$  such that  $x^2 + y^2 = 4$ .

NOT to be handed in (but recommended for you to practice with):

2. Textbook (5th edition) Section 13.8, Exercises 7-11, 21-28
3. Textbook (5th edition) Section 13.10, Exercises 5-8, 11-12, 23, 45, 48