

MA 262 Vector Calculus Spring 2023

HW 5 Line Integrals Due: Fri. 3/10

These problems are based on your in class work and Sections 3.3 and 6.1 of the textbook (which you should read). Doing this homework in advance will help you study for the exam.

Please review the course homework policies and don't forget a cover sheet! Whenever you use a computer to calculate or plot you need to say what program/software you are using. Ideally you will also include all or part of the code you used.

(CR) means the problems are graded on a credit/no credit basis. You are encouraged to check your answers in the back of the book, if possible.

(1) (CR) From Section 3.3: 1 (do sketch by hand), 19

(2) (CR) From Section 6.1: 3, 5, 6, 9, 11, 17 (see bottom of p. 414 and top of p. 515 for explanation of notation), 22