

MATH 202: VECTOR CALCULUS
READING QUESTIONS FOR FRIDAY WEEK 11

Reading assignment. *CAES* §9.11.

Problem 1. Draw examples of contractible and non-contractible sets in \mathbb{R}^2 . (You do not have to prove that your intuition about these sets is correct.)

Problem 2. In single variable calculus, the only functions with derivative 0 are constant functions. Is every closed form constant in some sense? Why or why not?