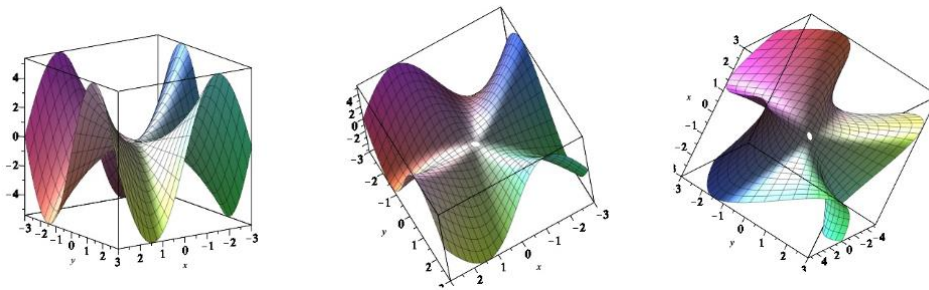MATH 223 Fall 2025
Assignment 9
Due: Wednesday, March 5

Reading

Read carefully Sections 4.1 "Limits and Continuity" in our text *Multivariable Calculus: A Linear Algebra Based Approach.*

Writing

Write out careful and complete solutions of Exercises 49ab, 51, 52a, 31 and 33 in Chapter 3.

Three views of graph of $f(x, y) = \begin{cases} 2xy\dfrac{x^2-y^2}{x^2+y^2} & (x,y) \neq (0,0) \\ 0 & (x,y) = (0,0) \end{cases}$