

# Suggested Problems

Here is a list of suggested additional, relatively mechanical, problems. These problems are not required and are not for credit. The section and problem numbers refer to the fourth edition of the textbook *Multivariable Calculus*, by Stewart.

§14.1: # 7–12, 13, 19, 21, 31

§14.2: # 3, 9, 16, 19, 31, 35, 39

§14.3: # 3, 7, 9

§14.4: # 3, 11, 15, 19

§17.1: # 1, 5, 11–14, 15–18, 21, 23, 33

§17.2: # 1, 3, 7, 11, 15, 17, 19, 21, 31, 39

§17.3: # 3, 5, 7, 9, 13, 17, 19

§17.5: # 13, 15, 17

§17.6: # 1, 3, 11–16, 17, 21, 29, 31, 33, 35, 37, 41

§15.4: # 1, 3, 5

§15.6: # 45, 47, 50, 52

§17.7: # 5, 7, 13, 17, 19, 21, 23, 25, 35

§17.5: # 1, 3, 12

§15.6: # 9, 17, 25, 30

§17.9: # 1, 5, 7, 9, 13, 19, 22, 29, 30

§17.4: # 1, 7, 11, 19, 22, 23

§17.8: # 1, 3, 5, 7, 9, 13, 20