

MATH 2043 TEST 2 REVIEW PROBLEMS – SUMMER 2009

14.4: 4, 6, 9, 11

14.5: 6, 13, 18, 25, 27, 29 (in Problems 25, 27 and 29 also find the direction and rate of maximum increase at the given point), 33, 41

14.6: 5, 13

14.7: 6, 7, 8, 9

14.8: 5, 7, 11

15.1: 25, 29, 31

15.2: 4, 19, 25, 29, 31-34, 37, 39, 40, 41

15.3: 5, 13, 17 (set up the integral; do not integrate), 18, 23, 25

15.4: 5, 7, 9, 13, 15, 18, 34, 35, 39, 41