

Review Problems for Mathematics 2043 Calculus 2 — Exam 1 — Fall 12008

10.1 - - 41, 47, 52

10.2 - 1, 7, 12, 21, 23 (also draw $\mathbf{u} - \frac{1}{2}\mathbf{w}$, 31c, 33

10.3 - 3a, 3b, 5a, 5b, 7a, 7b, 11, 13

10.4 - 3, 5, 7 15, 17, 23, 37

10.5 - 3, 6, 7, 23, 25, 55, 67

11.1 - 7 (no sketch), 12, 13, 20

11.2 - 4, 10, 12

11.3 - 5, 6 (arc length only, 12, 13 12.1 - 1, 2, 3, 5, 6 (plot the level curves for $f(x, y) = z$ for $z = 1, -1, 2, \frac{1}{2}$

12.2 - 1, 9, 28, 35, 37, 39, 41

12.3 - 11, 12, 15, 27, 29, 30, 42, 46