Math 10B–010
Fall 2009

ASSIGNED EXERCISES FROM COLLEY

Note that there is also a file of additional exercises called `addexercises.pdf`; solutions to these exercises will be posted.

Colley, Chapter 5

Colley , Section 5.1, p. 291 and following:	2, 8, 14
Colley , Section 5.2, p. 307 and following:	4, 8, 12, 24a, 28a
Colley , Section 5.3, p. 311 and following:	2, 6, 12, 14
Colley , Section 5.4, p. 321 and following:	2, 4, 8b, 20
Colley , Section 5.5, p. 341 and following:	4, 6, 10, 16, 24, 28
Colley , Section 5.6, p. 355 and following:	10 (set up only), 14 (same)
Colley , Section 5.7, p. 357 and following:	33

Colley, Chapter 6

Colley , Section 6.1, p. 379 and following:	2, 6, 12, 20
Colley , Section 6.2, p. 389 and following:	4, 8, 14 (set up only)
Colley , Section 6.3, p. 399 and following:	4, 14
Colley , Section 6.4, p. 400 and following:	16
Colley , Section 6.5, p. 401 and following:	36

Colley, Chapter 7

Colley , Section 7.1, p. 417 and following:	2, 4c, 12ab, 22
Colley , Section 7.2, p. 438 and following:	2, 8, 10, 14, 18
Colley , Section 7.3, p. 453 and following:	2, 8, 14*, 20
Colley , Section 7.5, p. 469 and following:	2, 8, 22, 24

Footnote for Exercise 7.3.14. Reduce the problem to finding the corresponding surface integral over the disk D defind by $z = 1$ and $0 \leq x^2 + y^2 \leq 1$, and evaluate the surface integral over D.