

Vector Calculus

Homework Set 1

Due Wednesday, 19 January 2004

Course Web Site: <http://www.math.sfu.ca/~ralfw/math252/>

Problems from Davis and Snider "Introduction to Vector Analysis":

- Section 1.2 (pp.6–7): 8
- Section 1.3 (p.8): 7, 8, 12
- Section 1.5 (pp.14–15): 12, 13, 18
- Section 1.6 (p.17): 7
- Section 1.7 (pp.23–24): 3, 7
- Section 1.9 (pp.34–35): 10, 17, 20, 21, 24
- Section 1.12 (pp.51–53): 3, 13, 19, 21, 29

Note:

- For 1.3 # 12, use the triangle inequality (see 1.9 # 21).