

Problems are from H. F. Davis and A. D. Snider, Vector Analysis, 7th ed. unless otherwise indicated:

Homework #0:

Review Chapter 1, sections 1.1-1.12 and Ch. 2, sections 2.1-2.3 of the text and do the following problems from the text:

p.23: 13 - 16.
p. 29: 1, 2, 3, 5
p. 35: 13, 15
p. 38- 39: 1, 4
p. 51: 1
p. 70-71: 2, 3a, 3c

Homework #1:

S3.1: 1, 2, 9, 12, 13, 17, 21, 32
S3.2: 1, 3, 4
S3.3: 1, 2, 3, 5, 7, 10, 11

Homework #2:

S3.4: 1, 3-6, 9, 10, 12
S3.5: 2-6, 9, 10
S3.6: 1, 2, 4, 7

Homework #3:

S3.8: 2, 5, 6, 11
S3.9: 4
S4.1: 1, 2, 4, 6, 12

Homework #4:

S4.2: 5, 6, 9, 10
S4.3: 2ad, 3ad, 4, 5, 6

Homework #5:

S4.4: 1, 2, 6, 7, 11
S4.6: 1-6
S4.7: 1, 2, 5, 6, 10, 13, 15

Homework #6:

S4.8: 1, 3, 4a-c, 6
Problems 1-4, please see the download for "Change of Variables".

Homework #7:

Problems 5-8, please see the download for "Change of Variables".
S4.9: 1, 2, 5, 7, 8

Homework #8:

S4.9: , 9ce, 10 -- 13, 17, 18, 20-22, 34

Homework #9:

S3.10: 6, 7, 10, 12

also see the two problems on the "First and Second Derivative Test" download.