

Read the Opening Problem on page 310.

A. Introduction

Read page 310-313 and make notes. Do Exercise 12A.1 #1-3 and 12A.2 #1,2. Read the Discussion.

B. Geometric Operations with Vectors

Read page 314-316, including Example 4 and 5. Do Exercise 12B.1 #1-4.

Read page 316-319, including the examples. Do Exercise 12B.2 #1-5. For #4, only do (a) and (b).

Read page 319. Do Exercise 12B.3 #1-2.

Read page 320-322, including the examples. Do Exercise 12B.4 #1-4.

C. 2-D Vectors in Component Form

Read page 322. Do Exercise 12C.1 #1-7.

Read page 323-324 including Example 12 and 13. Do Exercise 12C.2 #1-4.

Read page 325 including Example 14. Do Exercise 12C.3 #1-2.

Read page 326 including Example 15. Do Exercise 12C.4 #1-4.

D. 3-D Coordinate Geometry

Read page 327-329, including Example 16 and 17. Do Exercise 12D #1-6.

E. 3-D Vectors in Component Form

Read page 330-333 including all of the examples. Do Exercise 12E #1-11.

F. Algebraic Operations with Vectors

Read page 333-335, including Examples 23-25. Do Exercise 12F #1-16.

G. Parallelism

Read page 337, including Example 26. Do Exercise 12G #1-6.

H. Unit Vectors

Read page 338-340, including Examples 27-29. Do Exercise 12H #1-8.

I. The Scalar Product of Two Vectors

Read and make notes on pages 341-344. Read Examples 30-33, and also Examples 34 and 35.

Do Exercise 12I #1-21.

Review set 12A (no calculator), 12B (calculator), 12C

Quiz (Chapter 12)?