

**Homework 5, due Wednesday, February 15, at the beginning of the class.**

1. Read Sections 3.1–3.4
2. Turn in the following problems:
  - **Section 3.2:** 3, 4, 18, 22
  - **Section 3.3:** 16, 20(d), 30, 38(a,b,c for the vector in (iv)), 42, 43, 50, 52
  - **Section 3.4:** 12(a-d), 18, 24, 36

For all problems supply not only the answer, but also a solution/explanation.

Quiz 3 on Wednesday, February 15 will cover all the material up to Section 3.4 (including).