

## Review Problems 1

Never due, just suggested addition problems to do for practice. In general, it is probably worthwhile to at least read all of the “questions” (as opposed to problems) and their answers in the solutions manual. Almost all of these concept questions tend to be things you should know or can usefully improve your understanding. I’ve picked out the ones I like the most here.

### Giancoli Chapter 21

**Questions:** 3, 6, 12, 18, 19, 21

**Problems:** 7, 12, 18, 32, 33, 35, 37, 42, 45, 46, 47, 49

### Giancoli Chapter 22

**Questions:** 1, 3, 4, 6, 7, 9, 11, 14

**Problems:** 4, 14, 19, 21, 22, 23, 24, 25, 27, 28, 30, 33, 34, 35, 37, 40, 41, 42, 44, 46, 49

If you encounter integrals you don’t know, I suggest [integrals.wolfram.com](https://integrals.wolfram.com). Simplify everything as much as possible first, and make sure you’ve set it up correctly, but if the integral itself is the problem don’t let that stop you.

### Giancoli Chapter 23

**Questions:** 1, 2, 3, 6, 8, 10, 11, 13, 14, 15

### Study Guide Chapter 23

**Examples:** 23-2-A, 23-4-A, 23-6-A, 23-7-A

Try and do the problems before you look at the given solutions.

**Practice Quiz:** 3, 4, 6, 7, 10, 12, 15

### Giancoli Chapter 24

**Questions:** 5, 6, 7, 9, 11, 12, 17

### Study Guide Chapter 24

**Examples:** 24-3-A, 24-3-B, 24-5-A

**Practice Quiz:** 1, 3, 5, 8, 9, 12, 14, 15

**Giancoli Chapter 25**

**Questions:** 2, 7, 13, 18

**Problems:** 4, 7, 10; 12, 15, 22, 25; 31, 36, 41, 45; 50, 53, 55; 58, 59

**Giancoli Chapter 26**

**Questions:** 1, 5, 6, 14

**Problems:** 1, 4; 6, 14, 16, 18, 23; 27, 31, 34, 38 (Kirchoff!); 42; 43, 44, 47, 48