

## Changes in Exercises from 3rd to 4th edition of Chartrand, Polimeni, and Zhang

It seems that the main changes to the exercises is that some new problems have been added at the end of some sections. Subsequent exercises in the same chapter have their numbers increased by the total number of problems added earlier in that chapter. I indicate this as  $+n$ , where  $n$  is the number of problems added earlier. If a section isn't mentioned below, then the problem numbers in that section didn't change.

The other main change is that Chapter 7 is completely new, so the numbers of successive chapters have increased by one.

So far I've converted the problem numbers for the first seven chapters (as of 10/3/2018).

### Chapter 1

§1.4: 46 and 47 are new  
§1.5: +2  
§1.6: +2; 69–72 are new  
Suppl: +6; 92–95 are new

### Chapter 2

§2.7: 51 and 52 are new  
§2.8–2.11: +2  
Suppl: +2; 103–107 are new

### Chapter 3

§3.4: 36–39 are new; old 36 becomes new 40  
§3.5: +4  
Suppl: +4; 72–75 are new

### Chapter 4

Suppl: 89–94 are new; old 89–94 become new 95–105

### Chapter 5

§5.1: 10 and 11 are new  
§5.2–5.3: +2  
§5.4: +2; 51–54 are new  
§5.5: +6; 59–60 are new  
Suppl: +8; 75 is new

### Chapter 6

§§6.3 and 6.4 have been swapped. The current 33–39 are the former 41–47. The current 40 is new; the current 41–46 are the former 35–40. And the current 47 is the former 33.

Suppl: 68–73 are new.

### Chapter 7

This chapter is entirely new to the 4th edition. It contains problems 1–50.

## Chapter 8

The current problems 8.1–8.93 are identical to the former 7.1–7.93, with the exception of 8.9, which is a replacement for the former 7.9. The supplementary exercises 94–105 are new.

## Chapter 9

Problems 9.1–9.83 are identical to the former 8.1–8.83.

## Chapter 10

The former §§9.1 and 9.2 have been combined into the single new §10.1, and §§9.6 and 9.7 have been combined into the single new §10.5. Problems 10.1–10.81 are identical to the former 9.1–9.81 (even though they're now grouped into fewer sections, as just mentioned). Supplementary problems 82 and 83 are new, and problems 10.84–10.85 are identical to the former 9.82–9.83.