

HOMEWORK SET 3

MATH 415, SUMMER 2013

1. READING

Finish reading chapter 4, sections 1-4. Start reading chapter 4, sections 8 and 9, and chapter 5, sections 1 and 2.

2. PROBLEMS

All of the following problems are from Sadun's text.

- (1) Section 3.3, problems 2–4, 6, 8.
- (2) Section 3.5, problems 1, 4, 6, 7, 9.
- (3) Section 4.1, problems 1, 4, 6, 7.
- (4) Section 4.2, problems 1, 2, 6 (*Hint*: proceed by induction on n .)
- (5) Section 4.3, problems 3–6, 8, 10, 12.