

**PROBLEM SET 7, 25600 SECTION 31**

Due Friday May 26 in class.

1. (8 points) Fraleigh, problem 48-2, 4, 6 and 8.
2. (6 points) Fraleigh, problem 48-22. Here  $E = \mathbb{Q}(\sqrt{2}, \sqrt{3}, \sqrt{5})$ .
3. (5 points) Fraleigh, problem 48-29, the even parts.
4. (6 points) Fraleigh, problem 48-36.
5. (3 points) Fraleigh, problem 49-3.
6. (10 points) Fraleigh, problem 49-8.