18.702 Problem Set 9

due Wednesday, May 1

1. Chapter 15, Exercise 7.6. \((\text{factoring } x^{16} - x)\)

2. Chapter 15, Exercise M4. \((\text{the irreducible polynomial for } \sqrt{2} + \sqrt{3})\)

3. Chapter 16, Exercise 2.4b. \((\text{discriminant of a quartic})\)

4. Chapter 16, Exercise 8.5. \((\text{roots of a cubic})\)