

Math 210 Homework #1

Due Date: Sept. 14, 2011

(a). Which of the following integers are prime, which of them are composite? If you have checked a number is prime, you simply write down your answer. But for composite numbers you need to write down a nontrivial factor of for each of them.

(1). $2^{16} + 1$, (2). 9831, (3). 9833, (4). 55,551, (5). $2^{32} + 1$.

(b) Problem 10, page 113.

(c). Problems 14, 21, 32 of Section 0.2 (page 15–17).

I will collect your solutions to (a), (b), and (c) on Wed. For practice purpose, do the following problems:

Problem 7, page 112; Problem 6, page 9; Problem 15, page 16, Problem 27, page 16.