

MAS 4203- Intro Number Theory - Spring 2017
HOMEWORK 2

Due Friday, February 24, 2017 by 5PM
at L17408 (or hand in in class).

Instructions

- (*) It is OK to get help on this assignment. Work taken from any other book or website must be properly cited.
- (*) It is not OK to copy work from anyone else or an outside person or source unless properly cited.
- (x) All work should be written in a proper and coherent manner, and in a way any student in the class can follow your work. Show all necessary working & reasoning when giving proofs write in complete sentences so that your reasoning is clear.

DO SIX PROBLEMS, TWO FROM EACH SECTION.

Section 2.4

43(a), (b)

46 (assume $p > 2$ is prime)

47

48

Section 2.5

54(a), (b)

58

59

62

Section 2.6

68 (c)

71

73

75