MA 330 ASSIGNMENT
ISLAMIC NUMBER THEORY AND ALGEBRA
DUE FRIDAY, OCTOBER 24

Problem 1: Explain why the "lattice" method of multiplication described on page 467 of *Crest* works when multiplying any two positive integers.

Problem 2: Prove that 28 and 48 are not an amicable pair of numbers.

Problem 3: Prove that Thabit's construction of amicable pairs (pgs 473–474 in *Crest*) is valid.