TYPE YOUR NAME HERE HW 11: 2.37, 2.38, 2.41 M328K

February 28th, 2012

2.37 Theorem. If r_1, r_2, \ldots, r_m are natural numbers and each one is congruent to 1 modulo 4, then the product $r_1r_2\cdots r_m$ is also congruent to 1 modulo 4.

Proof. Type your proof here! **2.38 Theorem** (Infinitude of 4k + 3 Primes Theorem). There are infinitely many prime numbers that are congruent to 3 modulo 4.

Proof. Type your proof here!

Solution. Type your solution here!