

Your Name: _____

MA 261 — Quiz #5
Friday, March 7, 2014

1. Use strong induction to show that any natural number $n > 1$ is either prime or it has a prime factor $p \leq \sqrt{n}$.

(As a consequence we have **Theorem 2.3**: a natural number $n > 1$ is prime if and only if for all primes $p \leq \sqrt{n}$, p does not divide n .)