MATH 392 (MATH 613A)
Elementary Number Theory
Fall 2016

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Office Hours: TBA


Final Grade:
- There will be a Mid-term exam 30%
- Final 60%
- Assignments 10%

Content: Topics to be covered:
- Euclidean algorithm, gcd, lcm, primes, fundamental theorems of arithmetic;
- congruences, solving linear congruences, Chinese remainder theorem, higher order congruences;
- quadratic reciprocity;
- factorization, primality testing;
- diophantine equations.