

Finite Math, Math 220, Summer 2006
Quiz 8

August 15, 2006

1

Explain how the Euclidean Algorithm works. It is not enough to just list the steps in the algorithm. You must justify the mathematics behind each step.

2

Use the Euclidean Algorithm to find $\gcd(819, 180)$. No calculators!

3

How many integers are there that are not divisible by any prime number larger than 20 and not divisible by the cube of any prime?