

Math 565 - Spring 2019

Homework 2

Due February 20, 2019

The kind of knowledge which is supported only by observations and is not yet proved must be carefully distinguished from the truth... Indeed, we should use such discovery as an opportunity to investigate more exactly the properties discovered and to prove or disprove them; in both cases we may learn something useful.

— Leonard Euler

Turn in: 2-2.2, 2-2.9, 2-2.11 2-4.1 (From the textbook) and the following:

- (1) Show that if $a|c$ and $b|c$ and $\gcd(a, b) = 1$ then $ab|c$.