Mathematics 300

Quiz 1

Name: Key

- (1) Define n is an even integer. N = 2k for some $k \in \mathbb{Z}$
- (2) Define n is an odd integer. n = 24 + 1 for some $k \in \mathbb{Z}$
- (3) Define a divides b. $b = ba a for some u \in \mathcal{U}$
- (4) Define a and b have the same parity. Extra as early one hoth even or both odd.
- (5) State the division algorithm.

If a,b are integers with b>0 there are
14 tegers g,r such that
a = gb+r and o≤r < b