

Math 525 — Quiz 5 – September 13, 2023

Name: _____

1. Complete the following definition: A Euclidean Domain is an integral domain R with a norm N which has the property that for any two elements $a, b \in R$, there are $q, r \in R$ such that

2. Give two examples of Euclidean domains and say what the relevant norms are.

3. Proposition 1 in Section 8.1 states that every ideal in a Euclidean domain is ...

4. Give an example of an integral domain which is *not* a Euclidean Domain.