

Math 525 — Quiz 9 – October 4, 2023

Name: _____

Determine the order and structure of the following abelian groups:

1. $(\mathbb{F}_2[x]/(x^2 + x + 1))^\times$

2. $(\mathbb{Z}/8\mathbb{Z})^\times$

3. $(\mathbb{Z}/27\mathbb{Z})^\times$