

Name: _____

QUIZ 18 

MATH 300
November 14, 2024

1. How many different functions $f : \mathbb{Z}_5 \rightarrow \mathbb{Z}_3$ are there?

2. Is the set $f = \{(x^2, x) : x \in \mathbb{R}\}$ a function? If so, what is its domain and range? Explain.

3. Is the set $\theta = \{(X, |X|) : X \subseteq \mathbb{Z}_5\}$ a function? If so, what is its domain and range? Explain.