

Math 2013 - Introduction to Discrete Mathematics

Quiz #5 - 2005.09.21

Name: _____

1. Determine if the following function is injective and/or surjective on the specified domain and codomain.

$$f : \mathbb{R} \rightarrow \mathbb{Z} \text{ where } f(x) = \lceil x \rceil$$

2. Determine if the following function is injective and/or surjective on the specified domain and codomain.

$$g : \mathbb{N} \rightarrow \mathbb{N} \text{ where } f(x) = x + 1$$