

Quiz 3, Intro Adv Math.

Name:

1. Let $f : S \rightarrow T$.

(This means: S and T are sets, and f is a function from S to T).

Write down the definitions:

(a) f is injective when:

(b) f is surjective (a.k.a. onto) when:

2. The function $f : \mathbb{N} \rightarrow \mathbb{N}$ given by $f(x) = 2x$ is

(a) injective? (select: True or False, no proof needed)

(b) surjective? (select: True or False, no proof needed)