

1 Reading

In *A T_EXas Style Introduction to Proofs*, read section 5.5.

2 Response

Answers to these should be written down and turned in in class.

1. The functions you're probably most familiar with from calculus are functions $f : \mathbb{R} \rightarrow \mathbb{R}$. Do you know examples which are injective but not surjective? Surjective but not injective? (This is basically Exercise 5.96.)

3 Exercises

You should bring solutions to these to class and be prepared to present them.

1. Exercise 5.93
2. Exercise 5.97
3. Exercise 5.99

4 Homework Problems

Due Thursday, April 16th

1. Statement 5.106
2. Exercise 5.114
3. Statement 5.118