

# Proof For Feedback for Apr 17

Math 2001, Spring 2023. Katherine E. Stange.

**Theorem 1.** *Let  $f : \mathbb{R} \rightarrow \mathbb{R}$  be given by  $f(x) = 3x + 2$ . Then  $f$  is bijective.*

*Hint: This is your first time trying this, but proving injectivity/surjectivity will be very important. Just try to use the definitions as stated in class and in Section 12.2 of Hammack, where you will find examples.*