Math 2001, Spring 2023. Katherine E. Stange.

1 Assignment

Prove the following theorem.

disproving this

Theorem 1. *It is not true that all positive integers are perfect squares.*

Pf. Let $x=2$.
Then $x \in \mathbb{Z}$ and x is not a perfect square. □

2 is called a "counterexample".
(disproves a rule)
"proof by counterexample" or "disproof by counterexample"