MATH 460   **Name:** Your Name
Homework 1, fall 2020

Homework 1 has questions 1 through 2 with a total of 6 points. Edit this file and append you answers using LaTeX. Be sure to fill in your name. Upload the converted pdf of your work to Canvas.

3   1. Write the statement *For every positive real number x, there is a positive real number y such that $\sqrt{y} < x$* in symbolic form.

> **Solution:**

3   2. Write the *converse* of the statement:

> *If p and q are positive integers, then $p^2 \neq 2q^2$.*

as an English sentence.

> **Solution:**