Worksheet 13
Mathematical Induction

Instructions: Form your favorite groups to discuss and set up the right answers. Share the outcome of your discussion with your lecturer in the first TWO weeks of March 2019.

1. Let P(n) be the statement $1 + \frac{1}{4} + \frac{1}{9} + \cdots + \frac{1}{n^2} < 2 - \frac{1}{n}$

Complete the basis step and inductive step.