

UH - Math 3336 - Dr. Heier - Fall 2019

HW 3

Due Thursday, 09/12, at the beginning of class.

Solutions may be handwritten. Use regular sheets of paper, stapled together.

Do not forget to write your name on page 1.

1. (2 points) Section 1.6, Problem 16
2. (2 points) Section 1.6, Problem 27
3. (2 points) Section 1.6, Problem 29
4. (2 points) Section 1.7, Problem 29
5. (2 points) Let n be a positive integer. Let x_1, x_2, \dots, x_n be real numbers. Let $A = \frac{1}{n}(x_1 + \dots + x_n)$. Prove that $\exists i \in \{1, \dots, n\} : x_i \geq A$.