

UH - Math 6303 - Dr. Heier - Spring 2019

HW 3

Due Wednesday, 04/17, at the beginning of class.

Use regular sheets of paper, stapled together.

Don't forget to write your name on page 1.

1. (2 points) Determine the splitting field and its degree over \mathbb{Q} for $x^4 + x^2 + 1$.
2. (2 points) Section 13.5, Problem 3
3. (2 points) Section 13.5, Problem 4
4. (2 points) Section 13.5, Problem 5
5. (2 points) Section 13.5, Problem 6