

## 1 Reading

In *A T<sub>E</sub>Xas Style Introduction to Proofs*, read sections 4.4, 4.5, and 4.6.

## 2 Response

Answers to these should be written down and turned in in class.

1. The main theme of section 4.4 is the analogy between set operations and logical operations. Pick three of the statements from Exercise 4.61 and give logical statements that are analogous.
2. Draw a Venn diagram for the symmetric difference

## 3 Exercises

You should bring solutions to these to class and be prepared to present them.

1. Statement 4.71
2. Statement 4.72
3. Exercise 4.82
4. Exercise 4.86
5. Exercise 4.90 (you don't need to say anything specific, just be prepared to talk about it)

## 4 Homework Problems

Due Thursday, March 5th

1. Statement 4.75
2. Challenge 4.77
3. Statement 4.85