

**Math 112, Mr. Church, Homework 2**

Due at the beginning of class on Friday, October 9.

Please staple your homework.

1. Exercise 1.10.
2. Exercise 1.12.
3. Exercise 1.13.
4. Exercise 1.14.
5. Exercise 1.16.
6. Exercise 1.17. (For each operation which fails to be associative, or commutative, or to have an identity: give an example that displays this failure.)
7. Exercise 1.19.