

Math 234 Preview Exercises

Sections 7.2 and 7.3

NAME _____

Read Sections 7.2 (from page 312) and 7.3 in the textbook and answer the following questions. *Hand in this worksheet at the next class.*

1. What is the meaning of a **bijection** from a set X to a set Y ?
2. What is an **inverse function**? How is it denoted?
3. What is the meaning of the **composition** of two functions? How is function composition denoted?
4. If two one-to-one functions are composed, is the resulting function necessarily one-to-one? Why or why not?
5. Why is the proof in Example 7.3.5 incorrect?