MATH 422 Week 8 Quiz Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:**  Answer each question to the best of your ability. **Show your reasoning** and/or process used to answer the question(s) where it is appropriate. A calculator will NOT be necessary for this quiz. There are 5 questions.

Section 7.1

1. (3 pts)

Let A = {2, 3, 6, 8, 9} and B = {2, 8, 10}. Indicate if each statement is true or false.

1. True A. True
2. False B. False

1. True
2. False

(3 pts each) You may want to make a Venn Diagram to help with this one:

Let be the universal set, where:  
Let sets and be subsets of , where:  
  
Set Set   
  
Find the following: Please use { } when asked to list elements of a set  
  
2. LIST the elements in the set ( ):

3. LIST the elements in the set ( ):  
  
  
4. LIST the elements in the set ( ):

5. LIST the elements in the set ( ):

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