

# Math 234 Preview Exercises

Section 6.2

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NAME

Read Section 6.2 in the textbook and answer the following questions. *Hand in this worksheet at the next class.*

1. What is the *Transitive Property of Subsets*?

2. What is a *set identity*?

3. Give three examples of set identities.

4. What is the basic method for proving that sets  $A$  and  $B$  are equal?

5. How does the text prove the distributive law for sets?

6. Describe a method for proving that a set equals the empty set.