1. Let and let . Find the following:
2. For this entire page, let
3. List the elements of *A.*
4. List the objects in the power set of *A*,
5. Please label each of the following statements as either true or false. (You do not need to prove your assertions.)
   * 1. \_\_\_\_\_\_\_\_ ix. \_\_\_\_\_\_\_\_
     2. \_\_\_\_\_\_\_\_ x. \_\_\_\_\_\_\_\_
     3. \_\_\_\_\_\_\_\_ xi. \_\_\_\_\_\_\_\_
     4. \_\_\_\_\_\_\_\_ xii. \_\_\_\_\_\_\_\_
     5. xiii. \_\_\_\_\_\_\_\_
     6. \_\_\_\_\_\_\_\_ xiv. \_\_\_\_\_\_\_\_
     7. \_\_\_\_\_\_\_\_ xv.
     8. \_\_\_\_\_\_\_\_ xvi. \_\_\_\_\_\_\_\_
6. For each of the following sentences, write the negation of the sentence where the final negation occurs in the condition.