

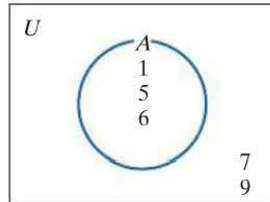
Section 2.3

11

A **universal set**, symbolized by U , is a set that contains all the elements being considered in a given discussion or problem.

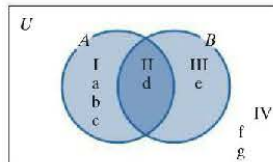
A **Venn diagrams** are used to show the visual relationship among sets.

Example 1: Use the Venn diagram below to determine each of the following sets:



- U
- A
- the set of elements in U that are not in A

Example 2: Use the Venn diagram below to determine each of the following sets:



- A
- the set of elements in B but not A
- the set of elements in U that are not in A
- the set of elements in U that are not in A or B