| **Relationship** | **Description/Meaning** | **Venn Diagram** | **Other Representations** |
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|  | This is read, “A union B,” which means “the elements found in Set A OR Set B.” |  | OR |
|  | This is read, “A intersect B,” which means “the elements common to Sets A and B,” or “the elements found in Set A AND Set B.” |  | OR  |
| *A*´~*A* | This is read, “A complement,” which means “those elements not found in Set A.” We are looking at the complement of A relative to B, not to the universal set. |  | OR |
| *B*´~*B* | This is read, “B complement,” which means “those elements not found in Set B.” We are looking at the complement of B relative to A, not to the universal set. |  | OR |
|  | This is read, “A minus B,” which means “the elements found in set A minus the elements found in Set B”; also known as the complement of B relative to A. |  | OR |
|  | This is read, “B minus A,” which means “the elements found in set B minus the elements found in Set A”; also known as the complement of A relative to B. |  | OR |