|  |  |  |
| --- | --- | --- |
| $$A∪B$$ | $$A∩B$$ | $$A∩B'$$ |
| $$A∪B'$$ | $$A⊂B$$ | $$B⊂A$$ |
| $$A∩A'$$ | $$A∪A'$$ | $$\left(A∩B\right)'$$ |
| $$A∩B=∅$$ | $$A'$$ | $$B'$$ |
| $$\left(A∪B\right)'$$ |  |  |
|  |  |  |
| AB | AB |  |
| AB |  |  |
|  |  |  |
|  |  |  |
| A or B | A or the complement of B | A and the complement of A |
| A and B are disjoint sets | Not A and not B | A is thesubset of B |
| A and B | A or the complement of A | Not A |
| A and the complement of B | B is the subset of A | Not A or not B |
| Not B |  |  |

**Recommendations for Making Matching Cards**

Do the following before laminating:

* Label the bottom right corner of all of the cards as described below in order to help provide an answer key.
	+ Label all of the set notation cards with numbers.
	+ Label all of the Venn diagrams with lowercase letters.
	+ Label all of the word descriptions with uppercase letters.
* Photocopy each type (set notation, Venn, words) on a different colour.
* Label the back of every card in each complete set with the same number. This makes clean up much easier if sets get mixed up.