Set Notation Reference Sheet

Roster method of representing a set:

A = {-1, 0, 1, 2}

Set builder notation:

 $B = \{x \mid x \text{ is an integer and } x > 1\}$

The empty set (two versions):

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Subset:

 $\mathsf{A} \subseteq \mathsf{~B}$ (subset) or

 $A \subseteq B$ (proper subset)

Union:

A ∪ B

Intersection:

A ∩B