Natural Number - N {1, 2, 3 ,4 ,5 , …}

Whole Numbers {0, 1, 2, 3, 4, 5, …}

Integers Numbers - Z {… ,−2, −1, 0, 1, 2, 3 , …}

Rational Numbers - Q {, *p* and *q* are in Z }

Irrational Numbers - 

Real Numbers - R

Complex Numbers - C 

***Symbols***

=: Equal

≠: Not equal

≈: Approximate

~: Similarity

∈: is an element of

∉: is not an element of

⊆: is a subset

⊂ : Proper subset symbol

<: is less than

>: is greater than

≤: is less than or equal

≥: is greater than or equal

∅: Null symbol

|.|: Absolute value

∃: Existential quantifier (For some ... There exists

∄: Doesn't exist

∀: Universal quantifier (For all ..., For every...)

: Intersection = { *x* | *x* ∈A and *x* ∈B}

: Union = {*x*| *x*∈A or *x* ∈B}

( ): Open Interval

[ ]: Close Interval

⊥: Perpendicular

**//**: Parallel

∋: such that