Use the following spaces to record any information about key topics that you find useful.

$\Rightarrow$ Theorem:

Definition:

Some examples:

$\Rightarrow$ Axiom:

Definition:

Some examples:

$\Rightarrow$ *Refresh* — Argument:

Definition:

Stated as a proposition:

Valid argument:

⇒ Direct proof:

Used to prove theorems of the form:

Relationship between direct proofs and valid arguments:

**Theorem.** *If $n$ is an even integer, then $n^2$ is even.*

*Proof.*

□