

I. Conditional Statements

▶ What are they?

▶ Converse:

▶ Counterexample:

[EX 1] If it is a Ti-89, then it is a graphing calculator.

▶ Hypothesis:

▶ Conclusion:

▶ Converse:

[EX 2] When Mr. Hamilton solves a math problem, he is content.

▶ Hypothesis:

▶ Conclusion:

▶ Converse:

II. Logical Syllogisms

(A)

(B)

(C)

[Examples of Logical Syllogisms]

III. Logical Chains

► What are they?

[EX 1]

___ If it is snowing, then it is cold.

___ If it is January, then it is snowing.

___ If it is icy, then there are car accidents.

___ If it is cold, then it is icy.

[EX 2]

___ If you have homework, then you're tired.

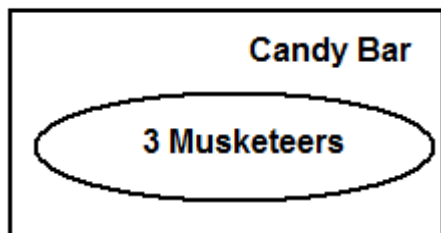
___ If you have school, then you get up at 7:30.

___ If it is Monday, then you have school.

___ If you get up at 7:30, then you're tired.

IV. Euler Diagrams (Pronounced “Oiler” Diagrams)

[EX 1]



[EX 2]

