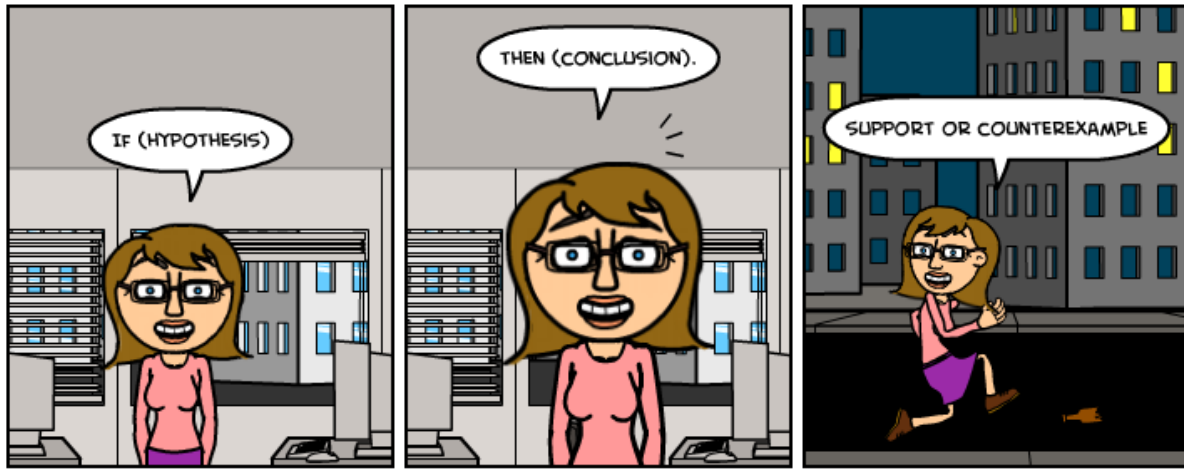


LOGIC

Students will *understand and use* the basics of mathematical language of argument and justification.

'CONDITIONAL STATEMENTS'

BY MRS. HAMILTON



WWW.BITSTRIPS.COM

Go to any of the create your own comic strip websites (www.bitstrips.com , http://myths.e2bn.org/story_creator/ , <http://www.makebeliefscomix.com/> etc.) to create your own conditional statement comic strip. Your cartoon strip must be school appropriate (G rated) in order to receive any credit. When your comic strip is saved, copy the picture and paste it into a Word Document. You may print your comic to turn in OR email your teacher.

In the space below your cartoon strip, you must rewrite and analyze variations of the conditional statement 4 different ways.

- 1.) Restate your conditional statement.
- 2.) What is the negation of the conditional statement?
- 3.) What is the inverse of the conditional statement?
- 4.) What is the converse of the conditional statement?
- 5.) What is the contrapositive of the conditional statement?
- 6.) What is the biconditional statement of the conditional statement? (if possible)

Create FOUR different comic strips with ALL of the variations (1-5).

Rubric:

CATEGORY	10	7	4	1
Correct Use of Terminology	Correct use of all logic terminology: conditional statement, inverse, converse & contrapositive.	One incorrect sentence: the conditional statement, inverse, converse or contrapositive.	Two incorrect sentences: conditional statement, inverse, converse and/or contrapositive.	More than two incorrect sentences: conditional statement, inverse, converse and/or contrapositive.
Neatness and Organization	The work is presented in a neat, clear, organized fashion that is easy to read.	The work is presented in a neat and organized fashion that is usually easy to read.	The work is presented in an organized fashion but may be hard to read at times.	The work appears sloppy and unorganized. It is hard to know what information goes together.