Name: _____

1 A conditional statement is always logically equivalent to its
(1) contrapositive (3) conjunction
060823a (2) converse (4) inverse

2 Write a statement that is logically equivalent to the statement "If two sides of a triangle are congruent, the angles opposite those sides are congruent." Identify
fall0824ge the new statement as the converse, inverse, or contrapositive of the original statement.

3 In the spaces provided below, write the converse, the inverse, and the contrapositive of the statement "If I run, then I am tired."
010837a

Converse:_____

_____

Inverse:_____

_____

Contrapositive:_____

_____

4 Given the statement: "If I live in Albany, then I am a New Yorker." In the spaces provided below, write the inverse, the converse, and the contrapositive of this
080739a statement.

Inverse:_____

_____

Converse:_____

_____

Contrapositive:_____

_____

Which conditional is logically equivalent to its original statement?

inverse converse contrapositive