

Introduction to Logic

Exercises: Further Immediate Inferences

1 Conversion

Directions: State the **converse** of each of the following statements. *First*, state the resultant truth value if the given statement is assumed true; *second*, state the resultant truth value if the given statement is assumed false.

1. **All senators are writers.**
2. **No arctic flora are bromeliads.**
3. **Some dragsters are fast cars.**
4. **Some Rothco paintings are not meditative works.**

2 Obversion

Directions: State the **obverse** of each of the following statements. *First*, state the resultant truth value if the given statement is assumed true; *second*, state the resultant truth value if the given statement is assumed false.

1. **All commodity experts are speculators.**
2. **No concepts are expressive intuitions.**
3. **Some algae are single cells.**
4. **Some stones are not igneous rocks.**

3 Contraposition

Directions: State the **contrapositive** of each of the following statements. *First*, state the resultant truth value if the given statement is assumed true; *second*, state the resultant truth value if the given statement is assumed false.

1. **All logic students are bright people.**
2. **No CIA employees are defectors.**
3. **Some policemen are honest persons.**
4. **Some Presidents are not former movie actors.**

Be sure you have given the
resultant truth values.

Name _____