

2.3 Homework

A syllogism has the pattern: $a \rightarrow b$
 $b \rightarrow c$
 $\therefore a \rightarrow c$

Suppose that three terms of a syllogism are:

a , “you keep quiet”

b , “others will never hear you make a mistake”

c , “others will think you are wise”

1. Write the two premises of the syllogism as conditional statements.
2. Write the conclusion of the syllogism.

Consider the following statements:

A duck would ask for some Chapstick if he went to a drugstore.

If a duck had sore lips, he would go to a drugstore.

A duck would ask to have it put on his bill if he asked for some Chapstick.

3. Write the sentences in “if-then” form and rearrange them in logical order.

Use a syllogism to make a conclusion for each set of statements.

4. If you read a good book, then you will enjoy yourself.
If you enjoy yourself, then your time is well-spent.
5. If you are studying biology, then you are studying a science.
If you are studying botany, then you are studying biology.