

1. How does an enthymeme differ from a normal syllogism?

Problems 2-4: Consider this hypothetical statement: "If you eat too much candy, then you will get sick."

2. Write out the antecedent: _____

3. Write out the consequent: _____

4. Write a pure hypothetical syllogism using that statement as a first premise.

Problems 5-7. Translate the given enthymeme into a complete, standard categorical syllogism. Place parentheses around the assumed statement. Do not abbreviate.

5. You do not have, because you do not ask.

6. Sometimes getting good grades is a pleasure, since all honest success is a pleasure.

7. All avaricious people are unhappy people, and Balbus is an avaricious person.

8. Problems a-e: In the blank to the right, identify the hypothetical syllogism as modus ponens (MP), modus tollens (MT), affirming the consequent (AC), or denying the antecedent (DA).

a. If the planet is to sustain life, then the planet must have water. Mars has water. Therefore, Mars can sustain life. _____

b. If a function is differentiable, then it is continuous. Step functions are not continuous. Therefore, step functions are not differentiable. _____

c. If a musician is skillful then he is admired. Some musicians are not skillful. Therefore, they are not to be admired. _____

d. If one can talk, then one has a brain. Scarecrow could talk. Thus, Scarecrow had a brain. _____

e. If the wearer of the red slipper knows how to use them, then she can go home. Dorothy didn't know how to use them. So she could not go home. _____

Problems 13-14: Write a valid syllogism which establishes the given statement as a conclusion, using the mood and figure given in parentheses.

9. "No Navy SEALs are ballerinas." (AEE-2)

10. "Some poems are not difficult to memorize." (EIO-1)

11. Write a valid categorical syllogism which establishes this statement as a conclusion: "Hindus are not Christians."

Here is the list of valid syllogisms:

AAA-1

AAI-1, AAI-3, AAI-4

AEE-2, AEE-4

AEO-2, AEO-4

AII-1, AII-3

AOO-2

EAE-1, EAE-2

EAO-1, EAO-2, EAO-3, EAO-4

EIO-1, EIO-2, EIO-3, EIO-4

IAI-3, IAI-4

OAO-3