

**Answer the questions.**

1. Define a deductive argument.
2. What is a deductive argument with good reasoning called?
3. What is a deductive argument with good reasoning and true premises called?

**Classify each deductive argument as an addition argument, conjunctive syllogism, disjunctive syllogism, modus ponens, modus tollens, simplification argument, or transitivity argument.**

4. Since a Manx is a cat and all cats are carnivorous, every Manx is carnivorous.
5. The skyscraper had its start in Chicago. The Empire State Building is not in Chicago. Therefore, the Empire State Building is not the first skyscraper.
6. He bought a new tie and he wore it today. Therefore, he was wearing his new tie.
7. Since a peony is a flower, then either a peony or a pondwort is a flower.
8. He's either an idiot or a liar. Since I know he's not an idiot, he must be a liar.
9. All people are sinners. Darwin was a person. Therefore, Darwin was a sinner.

**Give the correct conclusion to each of the following deductive arguments.**

10. Joe is a murderer. All murderers deserve to die. Therefore,
11. Pat loves either Bob or Pete. Pat does not love Pete; therefore,
12. Bobby is a monkey from Kenya. Therefore,
13. All who can keep the law deserve heaven. No person deserves heaven. Therefore,
14. All flowers are plants, and all plants are beautiful. Therefore,

**Name the type of deductive argument you used to supply the missing conclusion above.**

15. question 10
16. question 11
17. question 12
18. question 13
19. question 14

**Demonstrate the argument.**

20. Prove modus tollens using the derivation technique.

**Answer the question.**

21. Give the significance of Matthew 22:44–45 for the study of logic.