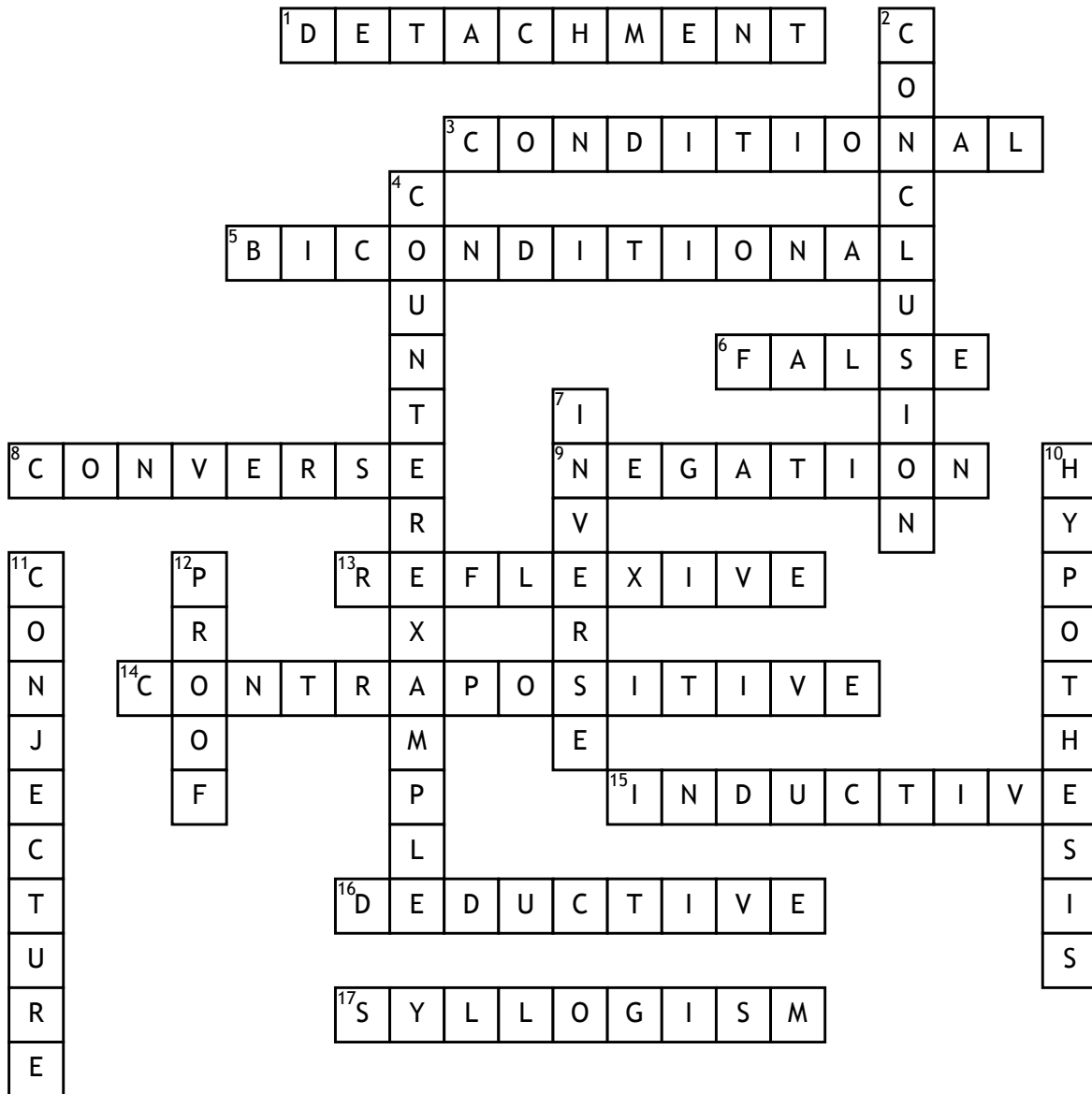


# Logic and Geometry Vocabulary



## Across

1. The Law of \_\_\_\_\_ says that if a conditional statement is true and the hypothesis is true, we must conclude the conclusion is true.
3. A statement written in "If-then" form is called a \_\_\_\_\_ statement.
5. When a conditional statement and its converse are both true, you can write them as a \_\_\_\_\_ statement.
6. A conditional statement is either true or \_\_\_\_\_.
8. A statement formed by exchanging the hypothesis and conclusion.

9. The \_\_\_\_\_ of a statement is the opposite of the original statement.

13. The \_\_\_\_\_ property refers to when something is congruent to itself.
14. A statement formed by negating and switching the hypothesis and conclusion.
15. \_\_\_\_\_ reasoning is reasoning from a specific case to a general rule.
16. \_\_\_\_\_ reasoning uses facts, definitions, accepted properties, and the laws of logic to form a logical argument.
17. Law of logic that is similar to the Transitive Property.

## Down

2. The contrapositive is formed by negating and switching the hypothesis and \_\_\_\_\_.
4. A specific case for which the conjecture is false.
7. A statement formed by negating both the hypothesis and conclusion.
10. The "then" part of a conditional statement.
11. An educated guess based on analyzing information or patterns.
12. A logical argument that shows a statement is true.