

# Mathematics

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(Chapter – 5) (Introduction to Euclid's Geometry)(Exemplar Problems)  
(Class – IX)

## Exercise 5.2

Write whether the following statements are **True** or **False**? Justify your answer:

### Question 6:

The statements that are proved are called axioms.

### Answer 6:

#### False

Because of the statements that are proved are called theorems.

Euclid used the term *postulate* for the assumptions that were specific to geometry and otherwise called *axioms*. A *theorem* is a mathematical statement whose truth has been logically established. Common notions (often called axioms), on the other hand, were assumptions used throughout mathematics and not specifically linked to geometry.

