

# 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 9:

Attempts to prove Euclid’s fifth postulate using the other postulates and axioms led to the discovery of several other geometries.

### Answer 9:

**True**

All attempts to prove the fifth postulate as a theorem led to a great achievement in the creation of several other geometries. These geometries are quite different from Euclidean geometry and called **non-Euclidean** geometry.

