

# 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 7:

“For every line  $l$  and for every point  $P$  not lying on a given line  $l$ , there exists a unique line  $m$  passing through  $P$  and parallel to  $l$ ” is known as Playfair’s axiom.

### Answer 7:

**True**

Since, it is an equivalent versions of Euclid’s fifth postulate and it is known as Playfair’s axioms.

