

# CONSTRUCTIONS

## OBJECTIVE

- Construction of triangles
- When the sum of two sides of triangles is given
- When the difference of two sides is of triangles given
- When perimeter of triangle is given

## INTRODUCTION

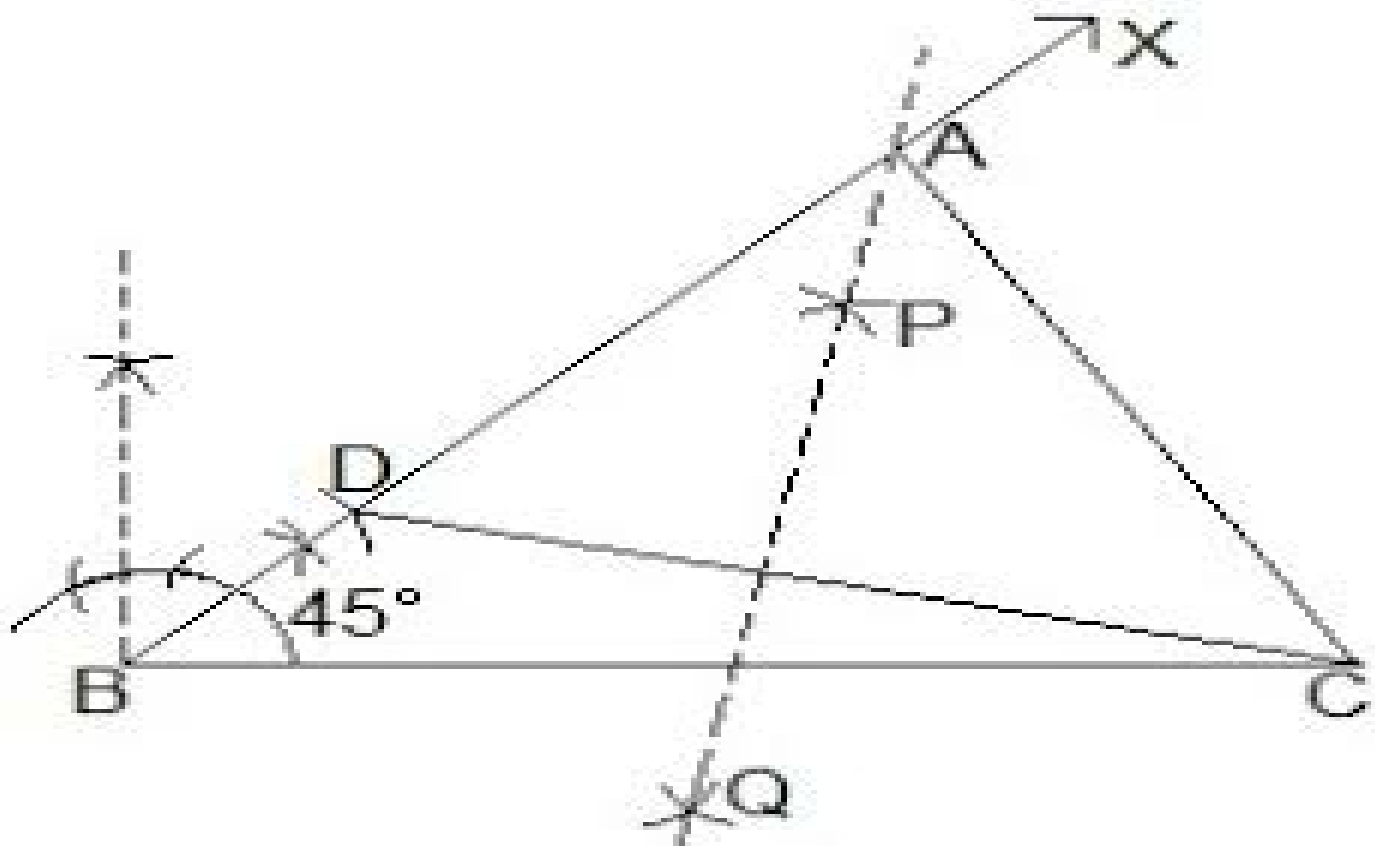
Constructions: The drawing of various shapes using only a pair of compasses and straightedge or ruler. No measurement of lengths or angles is allowed.

The word construction in geometry has a very specific meaning: the drawing of geometric items such as lines and circles using only compasses and straightedge or ruler. Very importantly, you are not allowed to measure angles with a protractor, or measure lengths with a ruler.

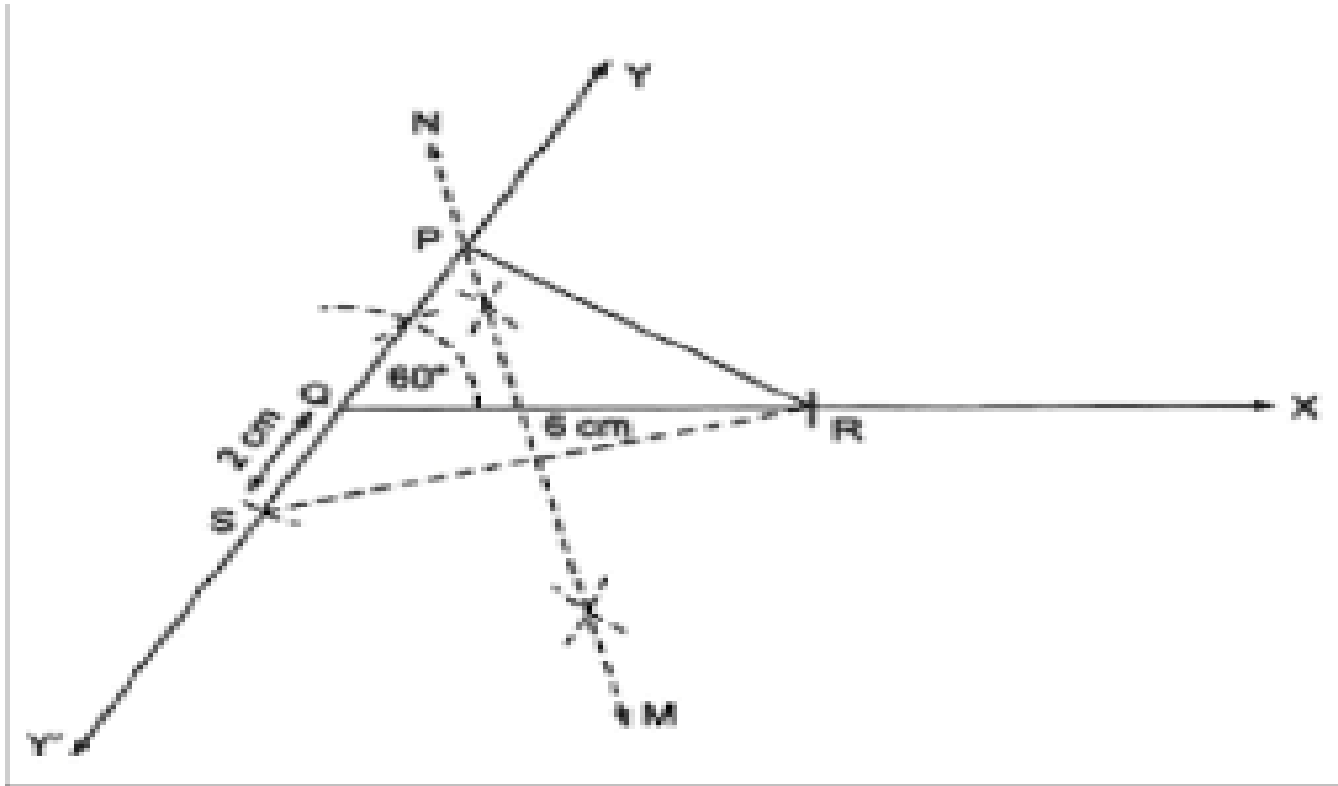
## **CONCEPT USED**

Similarity of Triangles is the basic concept in the construction of Triangles using the sum of two sides, difference of two sides and when the perimeter of Triangles.

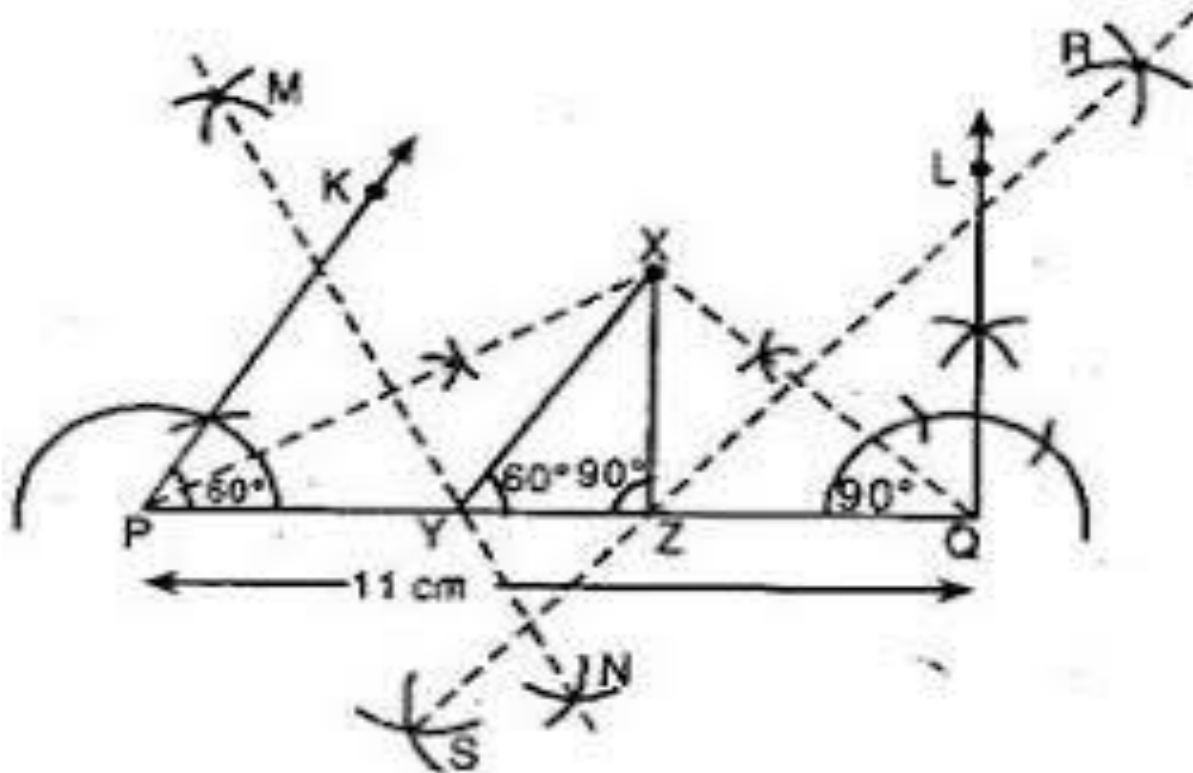
# Sum of two sides



## Difference of two sides



# Perimeter of triangle



**THANK YOU**