

Chapter 12

HERON'S FORMULA

SUMMARY:

In this chapter, you have studied the following points :

- ◆ Area of a triangle with its sides as a , b and c is calculated by using Heron's formula, stated as
Area of triangle $= \sqrt{S(s-a)(s-b)(s-c)}$
Where, $S = \frac{a+b+c}{2}$.
- ◆ Area of a quadrilateral whose sides and one diagonal are given, can be calculated by dividing the quadrilateral into two triangles and using the Heron's formula.

