



MATHEMATICS

CH:9 Area of a Parallelogram and Triangle

Name: _____

Date: _____

Class: IX Sec: _____

1. If a triangle and a parallelogram are on the same base and between the same parallels, then prove that the area of the triangle is equal to half the area of the parallelogram
2. Two triangles on the same base (or equal bases) and between the same parallels are equal in area.
3. In a triangle ABC, E is the mid point of median AD. Show that $ar(BED) = \frac{1}{4} ar(ABC)$.
4. In the given figure AP BQ CR. Prove that $ar(AQC)=ar(PBR)$

