**Aarambh Classes**

**Class X**

**Previous year board questions**

**MCQ :**

1. In the given figure ,PQAC .If BP = 4 cm ,AP = 2.4 cm and BQ = 5 cm ,then length of BC is :
2. 8 cm (b) 3 cm © 0.3 cm (d) 25/3 cm

2 . In figure DE BC .If AD/DB =3/2 and AE =2.7 cm ,then EC is equal to

1. 2 cm (b) 1.8 cm © 4.0 cm (d)2.7 cm

VSA (1 mark )

3 . In ABC ,DE BC ,then find the value of x .

SA I (2 Marks )

4 . In the given figure ,DE AC and DF AE .Prove that .

5 . In the given figure , XZ is parallel to BC . AZ = 3 cm ,ZC =2 cm ,BM = 3 cm and MC= 5 cm .Find the length of XY .

SA II (3 Marks ) :

6 . PA,QB and RC are each perpendicular to AC .If AP= x ,QB=z , RC =y ,AB= a and BC =b ,then prove that .

LA (4/5/6 ) marks

7 . In a PQR ,N is a point on PR such that QN PR .If PNNR = QN , prove that .

8 . In the given figure , E is apoint on CB produced of an isosceles ,with side AB=AC ,If AD BC and EF AC ,prove that .