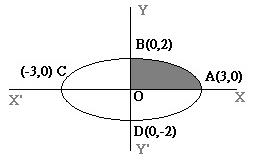
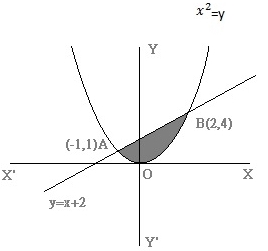
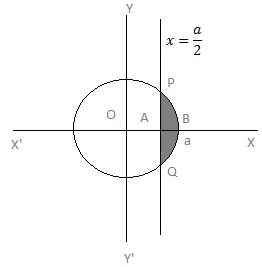
**ASSIGNMENT NO.- 10[Ch-8(Application of Integrals)]**

**Class -XII**

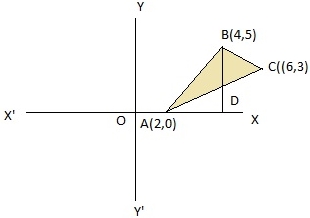
1. Find the area enclosed by the curve 

2. Find the area of the region enclosed by the parabola and the line 

3. Find the area of the minor segment of the circle cut off by the line 

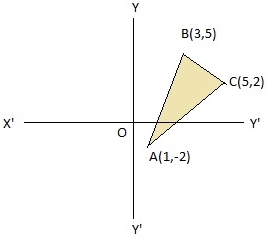
4. Using the method if integration ,find the area of triangle ABC,coordinates of whose vertices are

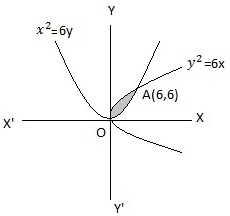
and

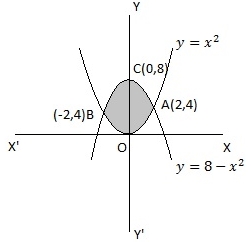


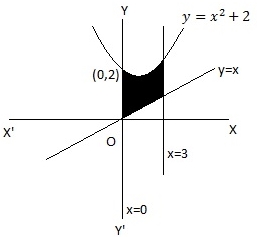
5. . Using the method if integration ,find the area of triangle ABC,coordinates of whose vertices are

and

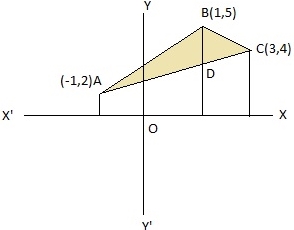


6. Find the area of the region bounded by the parabolas and 

7. Find the area enclosed between the curves and . 

8. Find the area of the region bounded by the curves and 

9. Using integration,find the area of the region bounded by the triangle whose vertices are

and 

10. A farmer has a field in the form of a parabola He has planted trees in the exterior to the

region bounded by the curve and left the remaining part for children to play.Find the

area of the ground,where children can play. 