Q.No.	DAY - 65
407	**Example 9.60** Using integration find the area of the region bounded by triangle ABC, whose vertices A, B, and C are $(-1,1)$, $(3,2)$, and $(0,5)$ respectively.
408	**Example 9.61** Using integration, find the area of the region which is bounded by x-axis the tangent and normal to the circle $x^2+y^2=4$ drawn at $\left(1,\sqrt{3}\right)$.
409	**EXERCISE 9.8** 3. Find the area of the region bounded by the curve $2+x-x^2+y=0$, x-axis, $x=-3$ and $x=3$.
410	6. Find the area of the region bounded by $y=\tan x$, $y=\cot x$ and the lines $x=0$, $x=\frac{\pi}{2}$, $y=0$.
411	8. Father of a family wishes to divide his square field bounded by $x=0$, $x=4$, $y=4$ and $y=0$ along the curve $y^2=4x$ and $x^2=4y$ into three equal parts for his wife, daughter and son. Is it possible to divide? If so, find the area to be divided among them.
412	9. The curve $y=(x-2)^2+1$ has a minimum point at P. A point Q on the curve is such that the slope of PQ is 2. Find the area bounded by the curve and the chord PQ.
413	10. Find the area of the region common to the circle $x^2+y^2=16$ and the parabola $y^2=6x$.
End of Chapter 9	