**Integration – Area & Volume Exercises**

By using a definite integral find the area of the region bounded by the given curves:

|  |  |
| --- | --- |
| **Questions** | **Answers** |
|  |  |

5 By using a definite integral find the volume of the solid obtained by rotating the region bounded by the given curves around the x-axis :



**Answers**



6 By using a definite integral find the volume of the solid obtained by rotating the region bounded by the given curves around the y-axis :



**Answers**

