**QUESTION 6**

Determine the volume of the solid formed when the region enclosed by the curves  is rotated about the line 

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| **Steps** | **Maple Command** | **Solution** |
| Load package Student Calculus 1 |  |  |
| Define function of f(x) and g(x) |  |  |
| Using the definite integral template in the expression palette, enter the formula for the volume of the solid and enter |  |  |
| Verify the answer via Volume of Revolution tutorTools 🡪Tutors 🡪 Calculus 🡪 Single Variable 🡪 Volume of RevolutionType f(x) and g(x) and the limit a and bClick displayChoose the horizontal or vertical line and insert the revolution line and displayCopy and close |  |  |