

The diagram shows the curve with equation $x = y^2 + 1$. The points A(5, 2) and B(2, -1) lie on the curve.

| (a) | Find an equation of the line AB . | [2] |
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| (b) | Find the volume of revolution when the region between the curve and the lathrough 360° about the <i>y</i> -axis. | ine AB is rotated [9] |
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