Calculus - Integral Calculus

Grade 12 | Difficulty: Medium

- 1. Evaluate the definite integral Integral (0 to 2) $(x^2 1) dx$.
- 2. Find the area enclosed between the curves $y = x^2$ and y = 2x.
- 3. Solve the improper integral Integral (1 to infinity) $(1/x^2)$ dx.
- 4. Determine the length of the curve y = sqrt(x) from x = 1 to x = 4.
- 5. Find the volume of a solid obtained by rotating $y = x^2$ around the x-axis.