Calculus - Integrals
Grade 10 | Difficulty: Hard

1. Evaluate Integral(3x^2 - 4x + 1)dx.

2. Find the area under the curve y = x^2 between x = 1 and x = 3.

3. Solve the improper integral Integral(1 to infinity) (1/x^2) dx.

4. Find the integral of f(x) = 1/(x+1).

5. Determine the integral of f(x) = cos(x) from 0 to pi.