# Evaluation of Definite Integral as the limit of a Sum

**SUBJECT : MATHEMATICS**
**CHAPTER NUMBER:7**
**CHAPTER NAME :INTEGRALS**



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# Example

Evaluate $\int_1^4 (x^2 - x)dx$ as the limit of a sum.

# Example

Evaluate $\int_{-1}^{1} e^x dx$ as the limit of a sum.

# Example

Evaluate $\int_0^4 (x + e^{2x})\, dx$ as the limit of a sum.

# Example

Evaluate $\int_0^1 e^{2-3x} dx$ as the limit of a sum.

# Assignments

1. Answer all the questions in Exercise 7.7 NCERT book.

2. Evaluate $\int_{-2}^{3} e^{2x-3}\ dx$ as the limit of a sum.

# THANKING YOU

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