

Worksheet: Integrals (Integration — The Reverse of Differentiation)

Punjab State Board · Class 12 · Mathematics · 3 questions · 13 marks

Name: _____

Date: _____

Score: _____ / 13

Q1. Evaluate: $\int e^{3x} dx$. [3 marks]

Q2. Evaluate: $\int \frac{4 \cos x}{\sin x + \cos x} dx$. [4 marks]

Q3. Evaluate: $\int \frac{x^2 + 1}{(x^2 + 2)(x^2 + 3)} dx$. [6 marks]
