



# Antiremed Kelas 11 Matematika

## Dasar Integral - Latihan Soal

Doc. Name: K13AR11MATWJB1203 Version : 2014-09 | halaman 1

|  |  |
|--|--|
| <p>01.</p> <p>(a) <math>\int (x^0 + 3) dx = \dots</math></p> <p>(b) <math>\int (a^3 + b^2) dx = \dots</math></p> <p>(c) <math>\int (x + \pi^n) dx = \dots</math></p> |  |
| <p>02.</p> <p>(a) <math>\int (x + 2) d\sqrt{x}</math></p> <p>(b) <math>\int x^3 d(x\sqrt{x}) = \dots</math></p>  |  |
| <p>03.</p> <p>(a) <math>\int \sqrt{t} d(\pi t) = \dots</math></p> <p>(b) <math>\int \frac{t^2 + 1}{\sqrt{t}} dt = \dots</math></p>                                   |  |
| <p>04.</p> <p>(a) <math>\int \frac{(\sqrt{x} + 1)^2}{\sqrt{x}} dx = \dots</math></p> <p>(b) <math>\int (x\sqrt{x} - \frac{1}{x\sqrt{x}})^2 dx = \dots</math></p>     |  |



05.

(a)  $\int (2x \sin x + x^2 \cos x) dx = \dots$

(b)  $\int \sec^2 x dx = \dots$