



# Antiremed Kelas 12 Matematika

## Integral 1 - Review Turunan - Latihan Soal 2

Doc. Name: AR12MAT0102 Version : 2012-10 halaman 1

|   |  |
|---|--|
| <p>01. Tentukan turunan terhadap <math>x</math> jika <math>a, b, n, \theta</math>, dan <math>y</math> adalah konstanta.</p> <p>(a) <math>d \frac{2}{\sin x} = \dots dx</math></p> <p>(b) <math>d \sqrt{\frac{5}{x^2}} = \dots dx</math></p> |  |
| <p>02.</p> <p>(a) <math>d(a^3 + n) = \dots dx</math></p> <p>(b) <math>d(x^3 + n^3) = \dots dx</math></p> <p>(c) <math>d(x^3 y^3) = \dots dx</math></p> <p>(d) <math>d n \sin x = \dots dx</math></p>  |  |
| <p>03.</p> <p>(a) <math>d \sin^2(\theta x) = \dots dx</math></p> <p>(b) <math>d \sqrt{\theta^2 + \cos x} = \dots dx</math></p> <p>(c) <math>d(a^3 + b^3 + x^3)^3 = \dots dx</math></p>  |  |
| <p>04.</p> <p>(a) <math>d(\sin x^2 + \cos \theta^2) = \dots dx</math></p> <p>(b) <math>d(\theta^n x^3 + \sqrt{x^n}) = \dots dx</math></p>   |  |
| <p>05.</p> <p>(a) <math>d\left(\frac{1}{x^n + \theta^n}\right) = \dots dx</math></p> <p>(a) <math>d(\sin^5 x + \cos^4 x) = \dots dx</math></p> <p>(b) <math>d \sqrt{x^n} = \dots dx</math></p>  |  |