Calculus: Derivatives · Grade 12

Name _____ Date _____ Score _____ / 6

01 d/dx $(-8\cos(x))$ =

Answer: _____

02 d/dx $(-x^3 + 8x^2 + 7)$ =

Answer: _____

03 d/dx $(4e^{5x})$ =

Answer: _____

04 d/dx $(x^3 + 5x^2)$ =

Answer: _____

05 d/dx $(2\cos(4x))$ =

Answer: _____

06 d/dx $(9x^3 - 5x^2)$ =

Answer: _____

Calculus: Derivatives · Grade 12 (Answer Key)

01 d/dx $(-8\cos(x))$ =

$8\sin(x)$

02 d/dx $(-x^3 + 8x^2 + 7)$ =

$-3x^2 + 16x$

03 d/dx $(4e^{5x})$ =

$20e^{5x}$

04 d/dx $(x^3 + 5x^2)$ =

$3x^2 + 10x$

05 d/dx $(2\cos(4x))$ =

$-8\sin(4x)$

06 d/dx $(9x^3 - 5x^2)$ =

$27x^2 - 10x$