

minimum the tangent to the curve must be parallel to the x-axis

Range

[MTH281] $f(x,y,z)=x^2-2y^2+3xyz$ is a function of _____ variables.

3

[MTH281] The function $f(x)=\frac{1}{\sin x}$ is continuous at $(x=0)$ but not _____ there.

Differentiable

[MTH281] $y=\ln\frac{1}{x}$ then y'

$-\frac{1}{x}$

[MTH281] A function $f(x)$ is said to be differential, if it possesses a differential

coefficient

[MTH281] _____ formula may also be applied to a differential equation to obtain a relation between successive differential coefficients.

Leibnitz's

[MTH281] Suppose $f(x)=x^3$, if $(x=-3)$ is inputted then the expected output is

-27

[MTH281] $f(x,y)=x^2-3y^2$ then $f(2,1)$

1

[MTH281] Evaluate $\lim_{x \rightarrow 2} \left(\frac{x}{2} \right)$

6

[MTH281] The differential of $\cos x$ is

$-\sin x$

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