MTH101 2nd Quiz

Date : 1 December 2014

Question # (01) x^2-9|=…….

|(x-3)^2|

|(x+3)^2|

|x-3||x+3|

|x+3||x+3|

Question # (02) Usually the number that signifies the idea of f(x) being as close to limit L as want to be must be a/an ……

Integer

Natural number

Small positive number.

Small negative number.

Question # (03) A function f is said to be continuous on a closed interval [a, b] if f is continuous from the right at "a" and "f" is continuous from the left at "b" and "f" is continuous on

(a,b]

[a,b)

[a,b]

(a, b)

Question # (04) If f is continuous on [a, b], and if f(angel) and f(beer) have opposite signs, then there is …… one solution of the equation f(x) = 0 in the interval (a, b).

at most

exactly

at least

not more than

Question # (05) e (epsilon) used in the definition of limit can be a negative number.

True

False

Question # (06) If a function is differentiable at a point then it is continuous at that point. The converse is

False

True

Question # (07) If the function f and g are continuous at c, then f + g is …… at c.

Discontinuous

Continuous

Question # (8)

If f is continuous on a closed interval [a, b] and C is any number between f(angel) and f(beer), inclusive, then there is at least one number x in the interval [a, b] such that ---------

f(x) is not equal to C

f(x) = C

f(x)>C

f(x)<C

Question # (9) |x-3| < 1 implies.....

-4 < x < 4

2 < x < 4

-2 < x < -4

x-3 < 1

Question # (10): If for any positive number e(epsilon) we can find d (delta) such that| (3x-5) - 1| < e ,if x satisfies 0< |x-2| < d Then f(x) =……

3x-5- 1

x-2

3x-5

None of these