A function is continuous at a point if . There are 3 conditions that need to be met for a function to be continuous at a point.

1. exists
2. exists
3. 

A rational function is continuous **except** when the denominator equals zero.

Ex. of Continuous Function: 

1. Does f(2) exist?

f(2) = -3(2) + 4

f(2) = -2

1. Does limit for f(x) exist?







1. Does f(2) = limit of f(2)?

f(2) = 

Ex. of Discontinuous Function: 

1. Does f(0) exist? 1. Does f(1) exist?

f(0) = = 0 f(1) = -1

f(0) = -(0) = 0

1. Does limit for f(x) exist? 2. Does limit for f(x) exist?







1. Does f(0) = limit of f(0)? not continuous at x=1

f(0) = 