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2022 to find the differentiability and continuity we have to plot the graph first so in this graph the domain of the function is the entire range of real values and the range of this function is only 0 to 1 because any fractional part of the value is between 0 to 1 let's find for integer values consider the point  $x = 1$   $\lim_{x \rightarrow 1} x = 1 \times 0$

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differentiability the derivative of a real valued function wrt is the function and is defined as a  
function is said to be differentiable if the derivative of the function exists at all points of its  
domain for checking the differentiability of a function at point

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functions in a way that describes displacement area volume and other concepts that arise  
by combining infinitesimal data the process of finding integrals is called integration along  
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as a tool to solve problems in

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