**Artificial Intelligence**

## **Gradient Descent**

Gradient Descent is an iterative solution that incrementally steps toward an optimal solution and is used in a very wide variety of situations. Before knowing what gradient descent is, we must first know what is derivative.

### **Derivative**

What is derivative in terms of gradient descent? A derivative is just a formular of the slope of the tangent line. Below the graph illustrates what a derivative is.