## **Revisiting Basic Calculus**

Let’s do a quick recap of some basic calculus concepts

1. Here are some examples of simple derivatives
2. Now, let’s look at a slightly more complicated derivative
   1. a
   2. Here, we break it into two parts
      1. h = x2
      2. y = e(term)
   3. Therefore,
   4. Here, the output is a composite function of the input. This process of breaking the equation into parts and solving them sequentially is known as **Chain Rule**
   5. Consider another example
   6. Here is the flow diagram of chain rule applied to the above equation
   7. Another example
   8. Flow diagram of chain rule