**2.6 The Chain Rule**

If  and , then what is ?

What is the derivative of ?

The Chain Rule will help us to differentiate composite functions.

**The Chain Rule**

Given the composite function , where  and  are differentiable functions:

 

In other words, to differentiate a composite function (when one function is “trapped inside” another function), follow these steps:

1.
2.

Find the derivative of 

If , find 

Differentiate 

Find the derivative of the function 