**Formula used in examples:**

**By comparing the actual value and the output value from our program we concluded that:**

The accuracy of all 3 questions differ according to the method used. The answers are more accurate in mathematic code, whereas, the answers obtained from hand computation are accurate to a few decimal points. The error is normally very less but in some places where the gap is large and the values obatained from the given function is also large the error can also decrease and function can loose it’s precision. Overall the