LOG10 and dB Maths Functions

Two useful math functions:

The common logarithm function. The natural logarithm of x divided by the natural logarithm of 10.

Logarithms huh?

... and the dB function to calculate the logrithmic ratio between two powers (which requires the common log function).

Both return Floats as the result

Syntax:

```
=LOG10(expression)
```

```
=dB(Power1,Power2)
```

Examples:

```
x=LOG10(2.88)
```

```
=dB(1,0.001)
```

Code:

```
    'Common Log - the natural log of x divided by the natural Log of 10
    Function Log10(x As Float) As Float
        Log10=Log(x)/2.302585093
    End Function
    'calculate ratio between two powers as deciBels, P1 & P2 are in Watts.
For dBm, specify P2=0.001
    Function dB(P1 As Float,P2 As Float) As Float
        dB=10*Log10(P1/P2)
    End Function
```