

```
Out[10]: \sum_{x=1}^{\infty} x^{-x}
In [11]: # Infinite Series Limit
         Sum(1/x^{**}x, (x, 1, oo)).evalf()
Out[11]: 1.29128599706266
In [18]: # Infinite Series Limit
          N(Sum(1/x**x, (x, 1, oo)))
Out[18]: 1.29128599706266
In [12]: #Integral?
In [13]: Integral(sin(x))
Out[13]: \int \sin(x) dx
In [14]: integrate(sin(x))
Out[14]: -\cos(x)
In [15]: Derivative(x**2)
Out[15]: \frac{d}{dx}x^2
In [16]: diff(x**2)
Out[16]: 2x
In [17]: # Calculate Expression from Symbols
          expr = sin(x)/x
          f = lambdify(x, expr)
Out[17]: 0.0005072143046136395
```