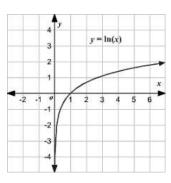
```
In [1]: 1 import numpy as np
```

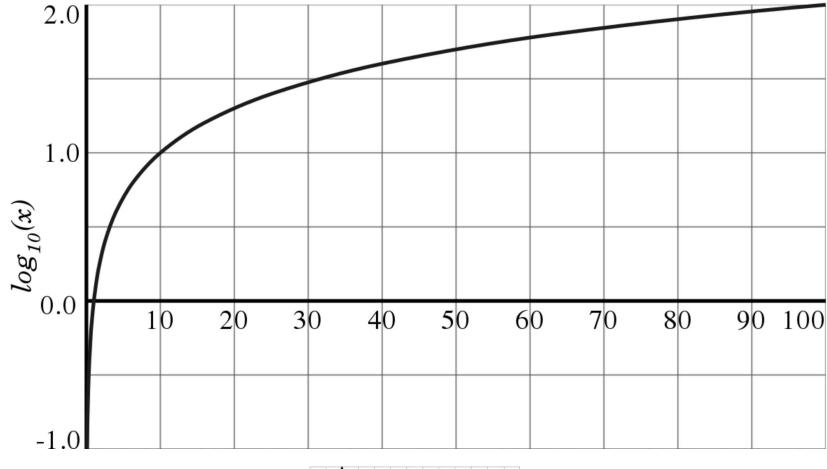
log functions

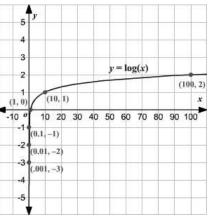
Natural log >> log to the base e



log10 (log 10 to the base any number)

Out[10]: 2.302585092994046



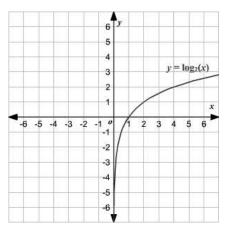


log2 (log 2 to the base any number)

In [17]: 1 | np.log2(0) | cipython-input-17-94b78e711a59>:1: RuntimeWarning: divide by zero encountered in log2 | np.log2(0) | np.log2(1) | np.log2(1) | np.log2(1) | np.log2(2) | np.log2(

Out[21]: 2.0

In [21]: 1 np.log2(4)



In [22]: 1 np.log2(8)
Out[22]: 3.0
In []: 1