**8.3 Logarithmic Functions**



$y=log\_{2}x$

 $y=log\_{4}x$

 $y=log\_{\frac{1}{2}}x$

 Domain – Range –

 *x*-intercept – *y* – intercept –

 asymptote – end behaviour –

**Common Logarithms –**

**Natural Logarithms –**

Find the domain of the function  and sketch its graph.

Solve the equation 

Find 