Exponentials
$$y=3$$

 $\hat{y}=log_3x$ $y=2$
 $\hat{y}=log_2x$ $y=e^x$
 $\hat{y}=log_2x$ $y=10^x$

Injerse Functions

Inverse Functions $\frac{\log_2 x}{2} = \frac{\log_2 x}{2} = \frac{\log_2 x}{2}$ $\frac{\log_2 (\sin x)}{2} - \sin x$

$$\left(\frac{2^{x}}{2^{snx}} \right) = X$$

$$\left(\frac{2^{snx}}{2^{snx}} \right) = \sin x$$

$$\frac{2^{\log_2 8}}{2^{\log_2 8}} = 8$$

$$\frac{31c}{2^{\log_2 8}} = \frac{-0.15t}{2^{\log_2 8}}$$

$$\frac{1}{\log_2 8} = \frac{-0.15t}{2^{\log_2 8}}$$

$$\log (3.2^{\times}) = 8$$

 $\log 3 + \log 2^{\times} = 8$
 $\log 2 = 8 - \log 3$
 $\chi = \frac{8 - \log 3}{\log 2} \approx 24.99$

$$\begin{array}{c|c}
2b \\
\log(5 \times) = 4 \\
\log(5 \times) = 10 \\
0 \\
5 \times = 10 \\
0 \\
0 \\
0 \\
0 \\
0 \\
0 \\
0
\end{array}$$

$$\begin{array}{c}
x = 10 \\
0 \\
0 \\
0 \\
0
\end{array}$$

$$\begin{array}{c}
x = 2000 \\
x = 2000
\end{array}$$

109x=10510x

$$\frac{\log (10x)}{10} = 2$$

$$\frac{\log (10x)}{10} = 10$$

$$\frac{\log (10x)}{10} = 10$$

$$\frac{100}{x} = 10$$

$$\frac{(x)}{10} = x$$