





Lows of Logarithms:

If
$$x, y > 0$$
, then

1. $\log_{\theta}(xy) = \log_{\theta}x + \log_{\theta}y$

2. $\log_{\theta}(x^{-1}) = \log_{\theta}x - \log_{\theta}y$

3. $\log_{\theta}(x^{-1}) = r \log_{\theta}x$ (rin IR)

Natural Logarithms:

In $x = \log_{\theta}x$

In $x = \log_{\theta}x$

In $e^{x} = x$, $e^{x} = e^{x}$

In $e^{x} = x$

In

Inverse Trigonometric Functions:

•
$$f(x) = \sin(x)$$

• $f^{-1}(x) = \arcsin(x)$, $x = \sin(x)$

• $f^{-1}(x) = y$ iff $x = f(y)$

• $f^{-1}(x) = y$ iff $x = \sin(x)$, $y = \sin(x)$

• $f^{-1}(x) = y$ iff $x = \sin(x)$, $y = \sin(x)$

• $f^{-1}(x) = x$, $f^{-1}(x) = x$

• $f^{-1}(x) = \cos(x)$, $f^{-1}(x) = x$, $f^{-1}(x) = x$

• $f^{-1}(x) = \cos(x)$, $f^{-1}(x) = x$

• $f^{-1}(x) =$

