Notes for notecard:

$f'(x) = nx^{n-1}$ (this is the derivative)

$\cos\theta = x$

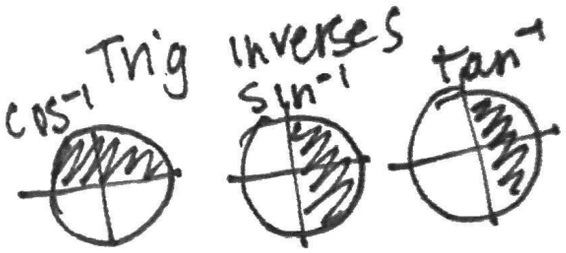
$\sin\theta = y$

$\log x + \log y = \log xy$

$\log x - \log y = \log \frac{x}{y}$

$n\log x = \log x^n$

$\log_b (Y) = x$ $\quad b^x = y$ $\quad \log_\square \square \rightarrow$ math logbase



BOBO BOTS EATSDC (For horizontal asymptotes)

Vertical asymptotes → set the denominator = 0

y-int: plug in 0 for x.

x-int: set numerator = 0

sequences: recursive: $a_n = a_{n-1} + d$ (arithmetic) $\quad a_n = a_{n-1}(r)$ (geometric)

explicit: $a_n = a_1 + d(n-1)$ $\quad a_n = a_1 (r)^{n-1}$

$\sum$ = summation [math] → *0

$\lim_{x \to \infty}$ use BOBO BOTS EATSDC