Absolutely vital functions


Trigonometric functions
It helps to remember that all trig functions are positive for $0<x<\pi$ (corresponds to the $1^{\text {st }}$ quadrant in the unit circle). Graph two periods.



$$
f(x)=\sec (x) \quad \text { Domain: } \quad \text { Range: }
$$

(6 points per period required)


(3 points per period required)


Exponential and logarithmic functions


