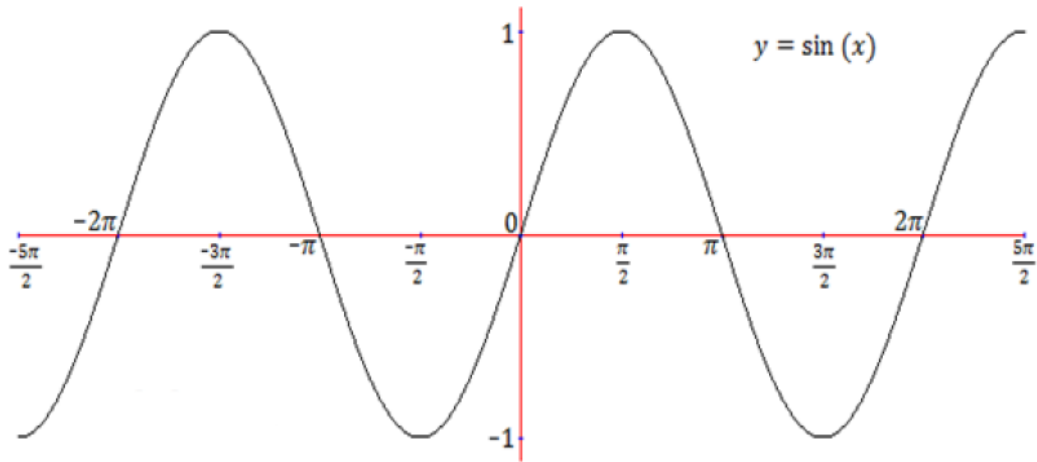


Trigonometric Functions

Sine Function: $f(x) = \sin x$



Domain: All real numbers

Range: $-1 \leq x \leq 1$

X – Intercept: $k\pi$, where k is an integer

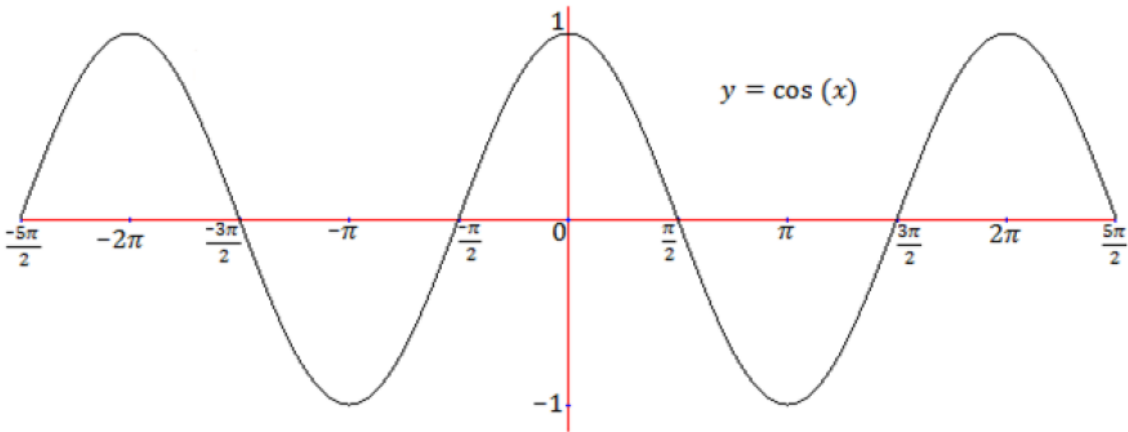
Y – Intercept: 0

Period: 2π

Amplitude: 1

Trigonometric Functions

Cosine Function: $f(x) = \cos x$



Domain: All real numbers

Range: $-1 \leq x \leq 1$

X – Intercept: $k\pi/2$, where k is an integer

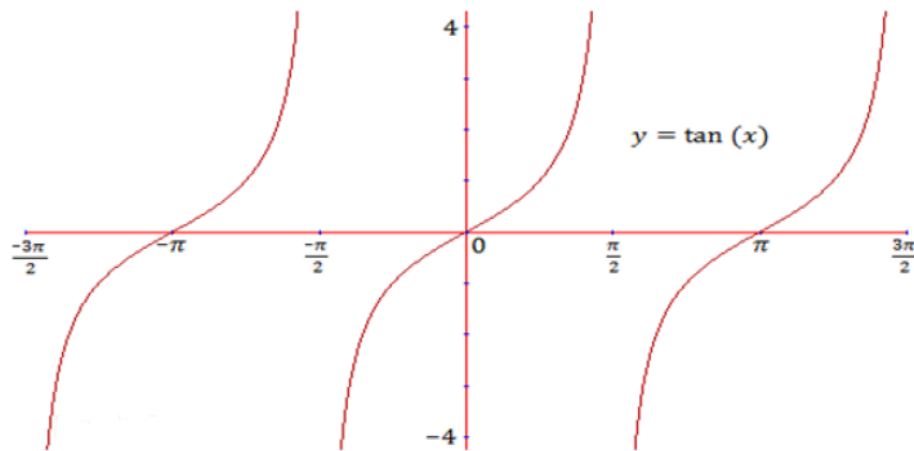
Y – Intercept: 1

Period: 2π

Amplitude: 1

Trigonometric Functions

Tangent Function: $f(x) = \tan x$



Domain: All real numbers except $\pi/2 + k$, where k is an integer

Range: All real numbers

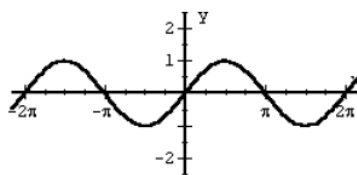
X-Intercept: $(k\pi, 0)$ where k is an integer

Y-Intercept: $(0, 0)$

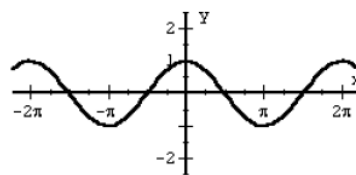
Period: π

Amplitude: Does not exist

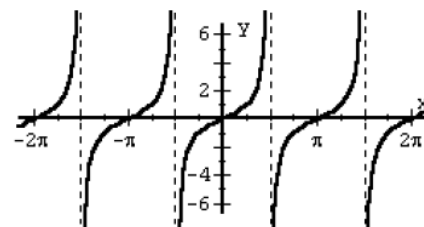
Vertical asymptotes at $\pi/2 + k\pi$, where k is an integer)



$f(x) = \sin x$



$f(x) = \cos x$



$f(x) = \tan x$

Trigonometric Functions