TRIGONOMETRIC FUNCTION REFERENCE

Standard Form: $y = A \sin(B(x - C)) + D$

|A| = Amplitude â€¢ Period = 2Ï€/|B| â€¢ C = Phase Shift â€¢ D = Vertical Shift

Sine: f(x) = sin(x)

Domain: (-âˆž, âˆž)
Range: [-1, 1]
Period: 2Ï€
Odd/Even: Odd

Cosine: f(x) = cos(x)

Domain: (-âˆž, âˆž)
Range: [-1, 1]
Period: 2Ï€
Odd/Even: Even

Tangent: f(x) = tan(x)

Domain: x â‰ Ï€/2 + kÏ€
Range: (-âˆž, âˆž)
Period: Ï€
Vertical Asym: x = Ï€/2

Cosecant: f(x) = csc(x)

Domain: x â‰ kÏ€
Range: (-âˆž,-1]âˆª[1,âˆž)
Period: 2Ï€
Reciprocal: 1/sin(x)