

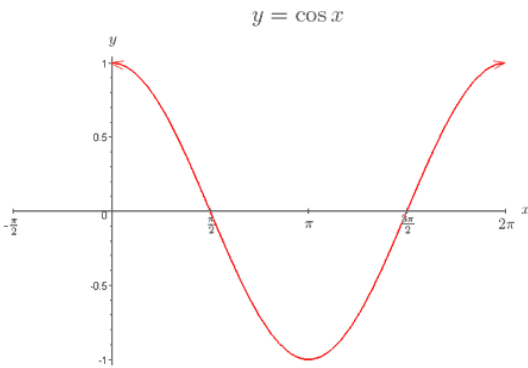
Standard Form: $y = a \sin b(x - c) + d$

a: Amplitude = $|a|$

b: Period = $\frac{360}{b}$ or $\frac{2\pi}{b}$

c: Horizontal/Phase Shift (start): $(x - c) = 0$

d: Vertical Shift = Sinusoidal axis = middle = d



Standard Form: $y = a \cos b(x - c) + d$

Example 1: Graph $f(x) = 2 \sin x - 1$

Amplitude: _____

Period: _____

Vertical Shift: _____

Horizontal Shift _____

Start: _____

End: _____

Increments: _____

Example 2: Graph $f(x) = -3 \cos(2x + 180) + 3$

Amplitude: _____

Period: _____

Vertical Shift: _____

Phase Shift _____

Start: _____

End: _____

Increments: _____

