

PERIODIC FUNCTION ANALYSIS

Comparative Waveform Template

Date: _____ | ID: _____

Sine Function $y = A \sin(Bx - C) + D$

Cosine Function $y = A \cos(Bx - C) + D$

Square Wave $y = \text{sgn}(\sin(x))$

Sawtooth Wave $y = 2(x/P - \text{floor}(1/2 + x/P))$

Function Property	Amplitude (A)	Period (2π/B)	Phase Shift (C/B)	Vertical Shift (D)
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Reference Wave	1.0	2π	0	0
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Measured Wave
A

Measured Wave
B