Assignment 5
(Due Monday 3 October)

Display two sine waves on a single graph. Generate the sine waves in a While Loop that updates at 10 Hz. With each iteration, the second wave should incrementally phase shift by a specified amount (degrees).

Have controls for frequency, displayed number of periods, displayed points, phase shift, and offset between displayed waveforms. Make sure the time-axis shows the correct units. All controls should be active and adjustable while the program is running.

Hint: You may find it helpful to use a Waveform Graph and the Build Waveform function.

Do not use the Express Pallet VIs for signal analysis and signal manipulation. Instead use arrays and build arrays VIs.