Procedure
Write a single MATLAB/Octave script to do all of the following:
1. Use the Octave/MATLAB function `fs_exp` to plot the 40 harmonic Fourier series approximation to a full-wave rectified sinusoid. Use the trigonometric FS coefficients from Table 17.3 to calculate the exponential FS coefficients. Use an amplitude of $A = 5$ and a period of $T = 10$ ms. Plot the approximation over an interval from $-T < t < 3T$. Add appropriate axis labels. Use the top subplot of a three subplot figure window to plot this result.
2. Plot the complex (two-sided) amplitude spectrum from $-40 \omega_o$ to $+40 \omega_o$. Add appropriate axis labels. Plot this result in the middle subplot.
3. Plot the complex (two-sided) phase spectrum (in degrees) from $-40 \omega_o$ to $+40 \omega_o$. Add appropriate axis labels. Plot this result in the bottom subplot.

Deliverables
Copy and paste your code into one page of a document. Copy-and-paste the figure window (with all three plots) into a second page. Print and staple both pages together. Your name(s) should be included at the top of the first page of the document.