

PROBLEM:

Suppose that MATLAB is used to plot a sinusoidal signal. The following MATLAB code generates the signal and makes the plot. Draw a sketch of the plot that will be done by MATLAB. Determine the period of the sinusoid and label the period on your plot.

```
J = sqrt(-1);  
dt = 1;  
tt = -10 : dt : 20;  
Fo = 0.05;  
xx = 50*real( exp( J*(2*pi*Fo*tt - 5*pi/6) ) );  
plot( tt, xx ), grid  
title( 'SECTION of a SINUSOID' ), xlabel( 'TIME (sec)' )
```