

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.

```
J = sqrt(-1);  
dt = 1/100;  
tt = -1 : dt : 1;  
Fo = 2;  
xx = real( (1-J) * exp( J*(2*pi*Fo*tt) ) );  
plot( tt, xx ), grid  
title( 'SECTION of a SINUSOID' ), xlabel( 'TIME (sec)' )
```