

## PROBLEM:

Suppose that MATLAB is used to plot the sinusoidal signal from problem Q.1.1(c). 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 = 0 : dt : 0.5;  
W = -5 - J*12;  
xx = real( W * exp( J*9*pi*tt ) );  
plot( tt, xx ), grid  
title( 'SECTION of a SINUSOID' ), xlabel( 'TIME (sec)' )
```