

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.

```
Fsamp = 5000;  
T = 20/1000;  
tt = 0 : (1/Fsamp) : T;  
Fo = 125;  
xx = 6*cos( 2*pi*Fo*tt - pi/4 );  
plot( tt, xx ), grid  
title( 'SECTION of a SINUSOID' )  
xlabel( 'TIME (sec)' )
```