Purpose:
To become familiar with using the WINDOW, VIEW, LINE, LOCATE and PSET statements to graph a function on a world coordinate system in the high-resolution graphics mode (e.g. VGA).

Problem:
Graph the function \( x(t) = 0.3e^{-1.25t} \cos(32.25t) + 0.0388\sin(32.25t) \). Plot points every 0.0005\(^\text{th}\) of the unit. Use a WINDOW statement with coordinate (0.0, 0.3) - (2.0, -0.3) and VIEW statement to define the viewport. Label the axes as shown below.

Output Result:
The following result is displayed.

Press any key to continue