

PROBLEM SET #1

Note the % sign indicates what follows is a comment

```
% Solution for PROBLEM SET #1
t = linspace(0, 0.05, 2000);      % create vector of 2000 time values
I = 8.018*exp(-133.33*t).*sin(83.15*t); % establish the expression
xx = find(I<0);                  % determine indices that correspond
                                   % to negative values of current
I(xx) = 0.0;                      % set those values to zero
plot(t,I)                         % plot time versus current
grid on                            % add a grid
xlabel('Time (sec)');              % label the x-axis
ylabel('Current (A)');             % label the y-axis
max(I)                            % find the maximum value
                                   % no semicolon so it echoes back
                                   % add to graph with INSERT TEXTBOX
```

