## ECS 332: In-Class Exercise # 13 - Sol

## Instructions

- 1. Separate into groups of no more than three students each. The group cannot be the same as any of your former groups after the midterm.
- 2. [ENRE] Explanation is not required for this exercise.
- 3. Do not panic.

Date: $\frac{18}{200} / \frac{10}{2019}$			
Name	ID (last 3 digits)		
Prapun	5	5	5

Consider an AM transmission of the message m(t) shown below:



1. Assume that the carrier frequency  $f_c$  is large (enough). Plot the corresponding AM signal  $x_{AM}(t)$  when the modulation index is 40%



2. In each part below, the AM signal is plotted. Determine the modulation index used in each case.



