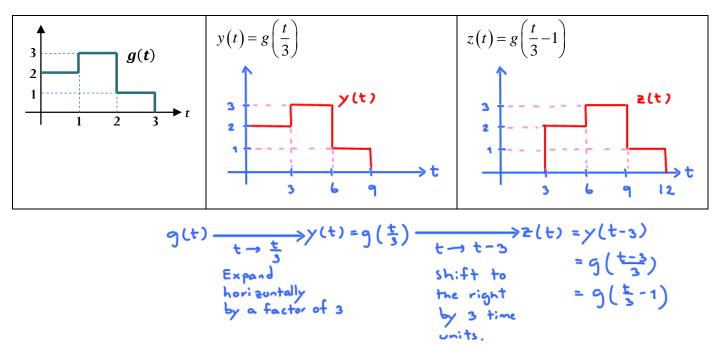
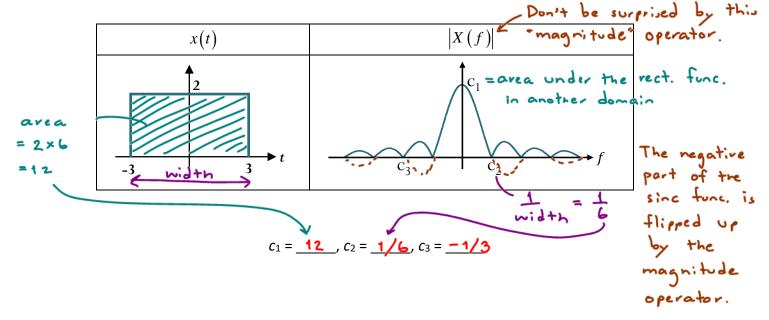
ECS 332: In-Class Exercise 2 Solution

Instructions

- Separate into groups of no more than three persons. 1.
- 2. The group cannot be the same as your former group.
- Only one submission is needed for each group. 3.
- Only this page will be scanned and graded. Work only on this 4. page.
- Do not panic. 5.
- 1. A signal g(t) is plotted below. Plot the other two signals.



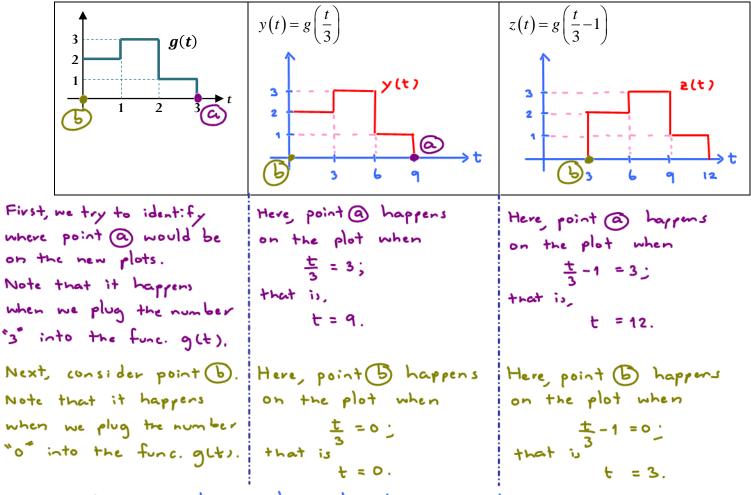
2. The plot of a signal and the corresponding magnitude plot of its Fourier transform is provided below. Find the values of the constants (corresponding to the zeroes and the peaks) shown in the plot. Put your answers in the spaces provided at the end of the question. Explanation is not required.



Name	ID
Prapun	555

Alternative Solutions





Other points on the plot can be analyzed in a similar manner.

solut: on x 3 for z(t).

On the previous page, we scale the time first; then we shift it. Here, we can try to do the shifting first, tollowed by time-scaling. $g(t) \longrightarrow v(t) = g(t-1) \longrightarrow z(t) = v(\frac{t}{3}) = g(\frac{t}{3}-1)$ $t \rightarrow t/s$ Shift to the Expand horizontally right by one by a factor of 3 time unit. $y(t) = \frac{v(t)}{1-1}$