

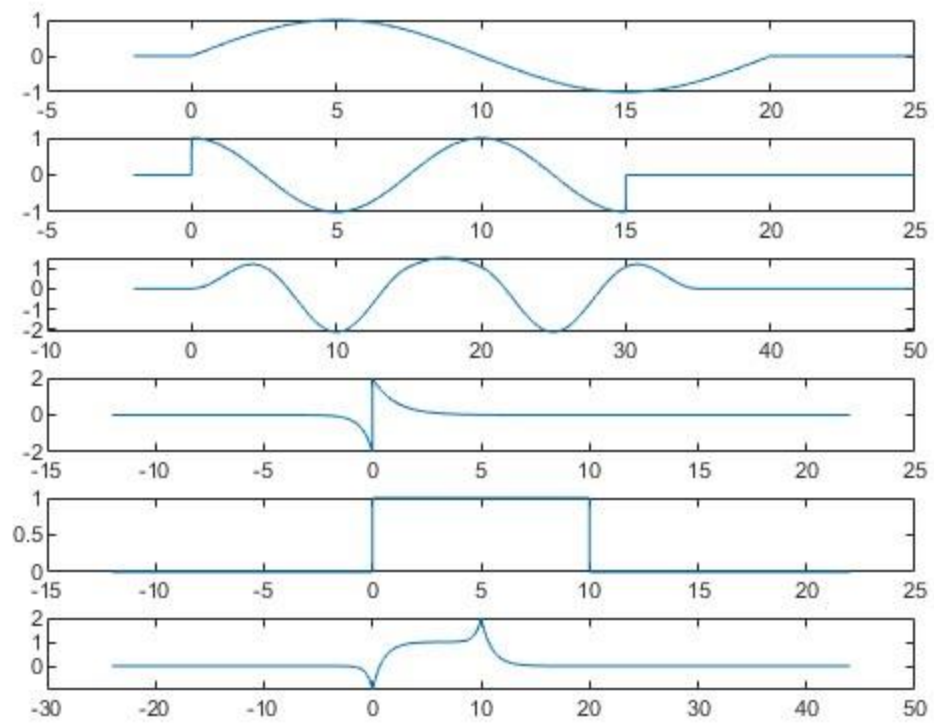
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% Fall 2018
% Name: Terry-Ann Sneed
% Lab #5

clc clear
all close
all

% Part I dt = 0.001; t = -2:dt:25; f = sin((t*
pi)/10) .* rectpuls((t - 10)/20); g = cos((t*
pi)/5) .* rectpuls((t - 15/2)/15); y =
dt*conv(f, g); t1 = -4:dt:50; subplot(6,1,1),
plot(t,f); subplot(6,1,2), plot(t,g);
subplot(6,1,3), plot(t1,y);

% Part II dt = 0.001; t = -12:dt:22; f = - 2 * exp(2*t) .*
rectpuls((t + 5)/10) + 2 * exp(-t) .* rectpuls((t -
5)/10); g = rectpuls((t - 5)/10); y = dt*conv(f, g); t1 = -
24:dt:44; subplot(6,1,4), plot(t,f); subplot(6,1,5),
plot(t,g); subplot(6,1,6), plot(t1,y);
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*Published with MATLAB® R2018a*

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