```matlab
% GROUP-8
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clc;
close all;
clear all;

a = 4 ;
f = 3 ;
t = 0:0.02:2;
x1 = 1;
x2 = a*sin(2*pi*f*t);
y = x1.*x2;

figure(1);
stem(x1);
xlabel('Time');
ylabel('Amplitude ');
title('Impulse Signal');

figure(2);
plot(t,x2);
xlabel('Time ');
ylabel('Amplitude ');
title('Sine Wave');

figure(3);
stem(t,y);
xlabel('Time');
ylabel('Amplitude');
title('PAM Wave');
```
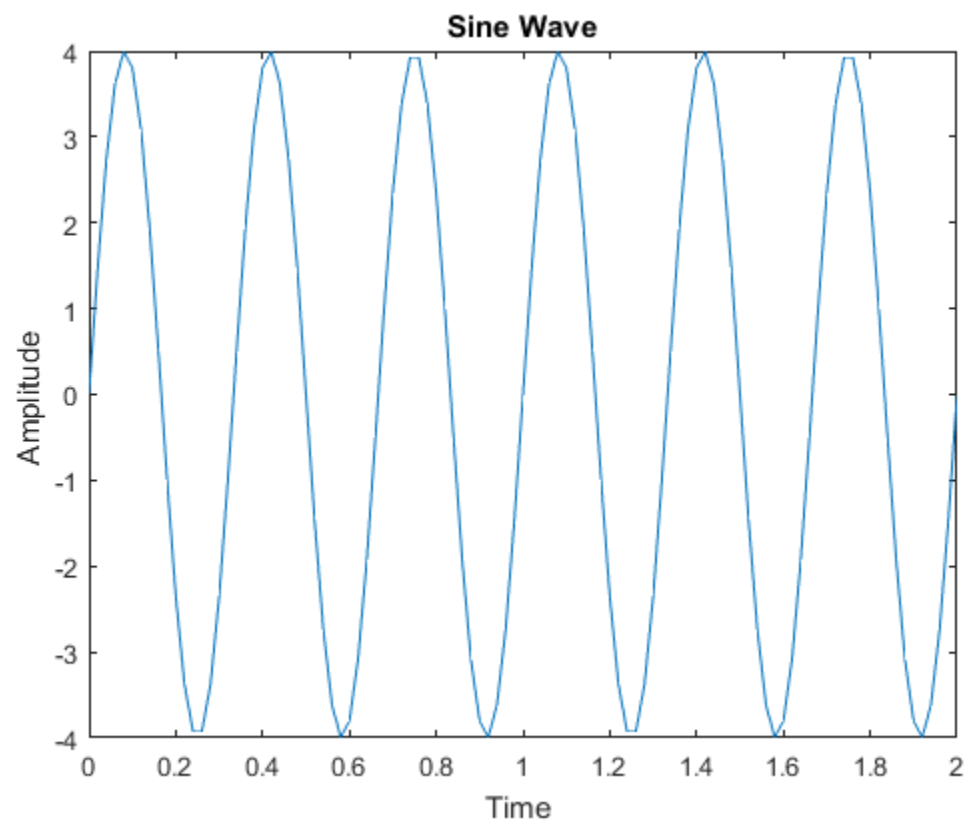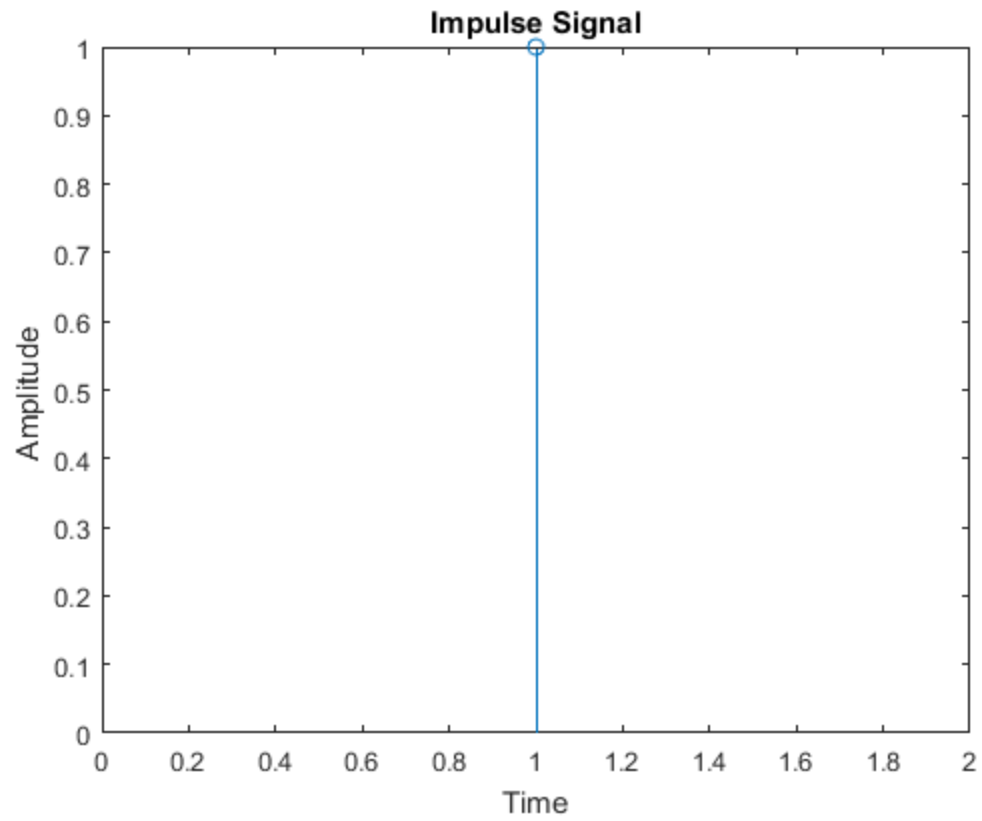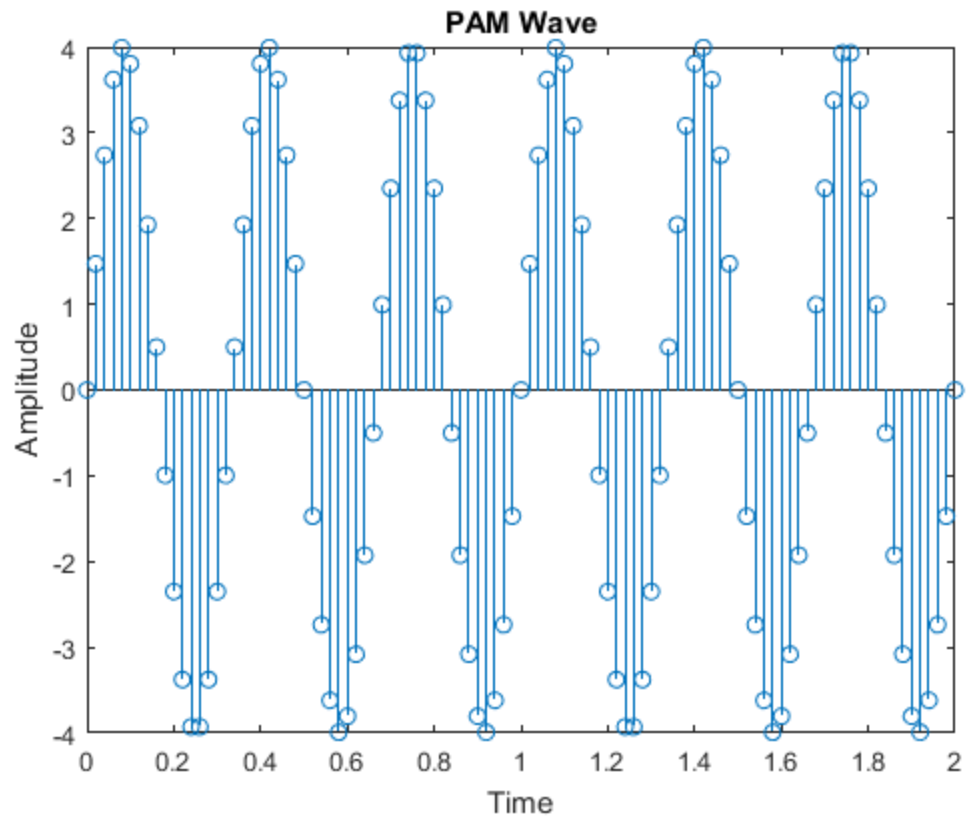
Impulse Signal

Sine Wave

PAM Wave

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