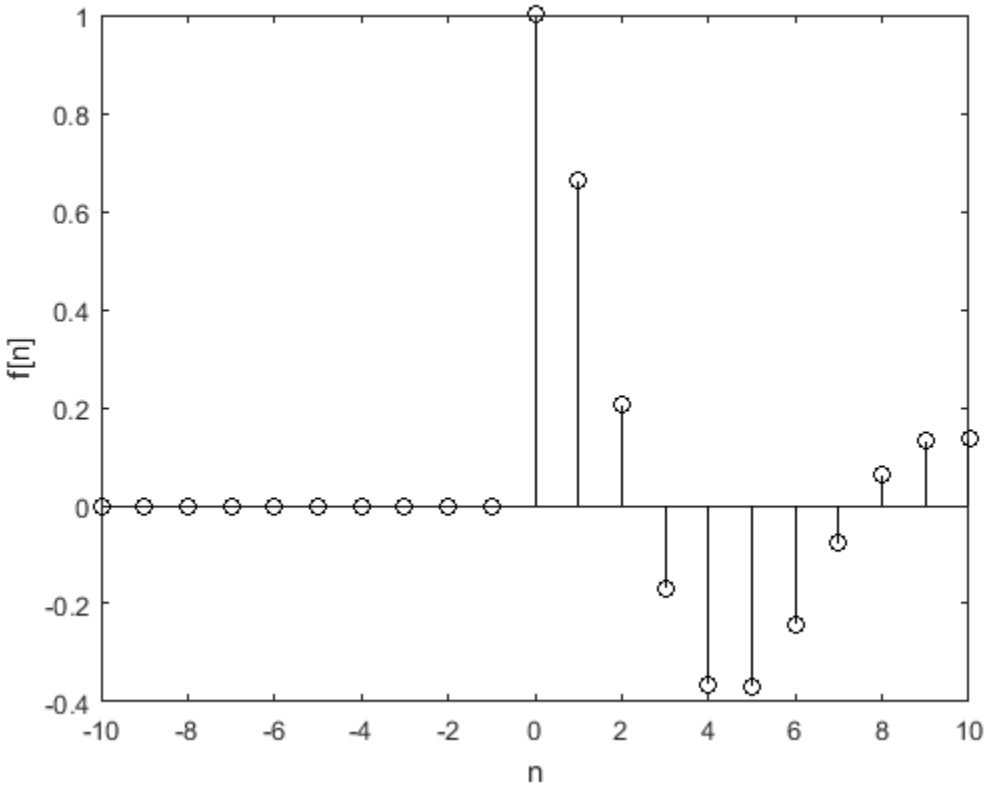
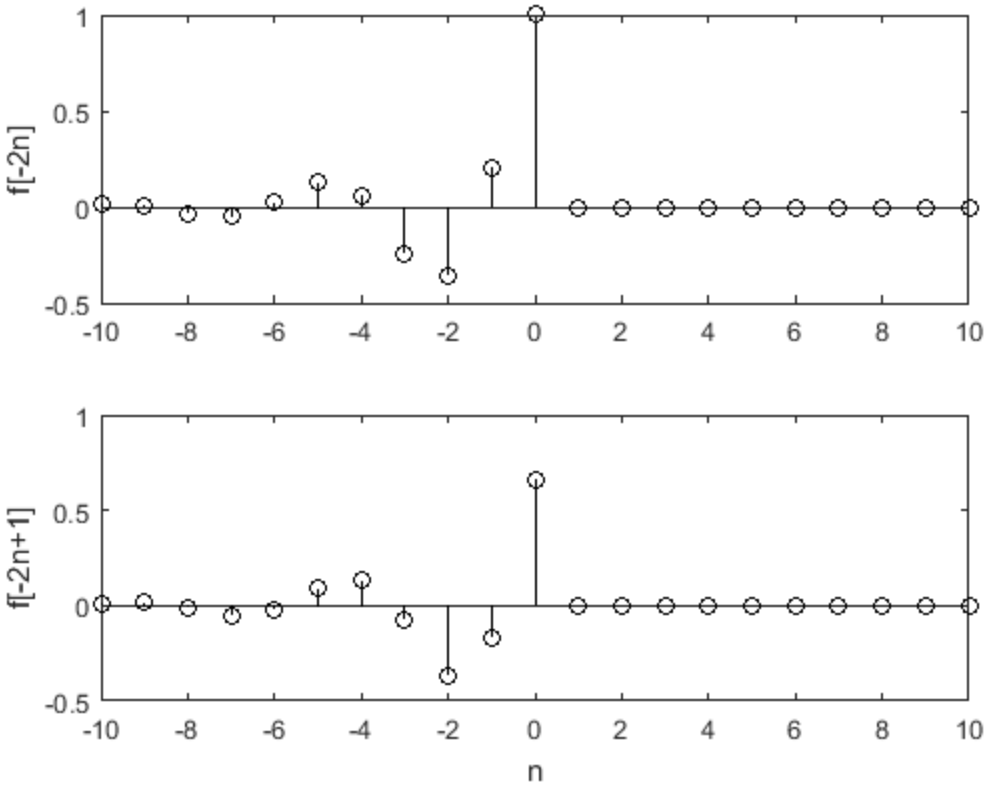
M3.1 Discrete-Time Functions and Stem Plots

```
% MS3P1.m : MATLAB Session 3, Program 1

f = inline ('exp(-n/5).*cos(pi*n/5).*(n>=0)','n');

n = (-10:10)';
stem(n,f(n),'k');
xlabel('n'); ylabel('f[n]');
figure(2);
subplot(2,1,1); stem(n,f(-2*n),'k'); ylabel('f[-2n]');
subplot(2,1,2); stem(n,f(-2*n+1),'k'); ylabel('f[-2n+1]');
 xlabel('n');
```





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