prob1.m | Prob2.m | Prob3.m | Prob4.m | Prob5.m | TRYYYY.m

```
for n=1:200

    if n==1:200
        X(n)=x(n+3);

    if n==1
        Y(n)=-1.5*x(n+3)+2*x(n+4)-0.5*x(n+5);

    elseif n>1 && n<=199
        Y(n)=0.5*x(n+4)-0.5*x(n+2);

    else
        Y(n)=1.5*x(n+3)-2*x(n+2)+0.5*x(n+1);

        end
    end
end

 n = 0:199;
 plot(n,X,'markerfacecolor','r'), hold on,
 plot(n,Y,'markerfacecolor','b')
 legend('x(n)','y(n)')
 xlabel 'n'
 ylabel 'x(n) and y(n)'
```

Command Window

```
>> Prob5
Input a function: sin(((3.*pi)./100).*n)
>>
```

Name | Value

Figure 1

File Edit View Insert Tools Desktop Window Help