The Hot List	
command	action
help *function name*	
lookfor *keyword*	
whos	
ls	
cd	
pwd	
doc	
doc *function name*	
clear	
;	
%	
...	
:	
ans	
pi	
Inf	
NaN	
eps	
plot(*xlist, ylist)*	
legend('*text', 'text')*	
title('*text*')	
xlabel('*text')*	
ylabel('*text*')	
axis([*xmin xmax ymin ymax])*	
grid on	
gtext('*text*')	
length(*vectorname)*	
size(*matrixname*)	
save *filename*	
load *filename*	
disp(*varname*)	

Commands	Output Notes
>> a = 10 >> sin(a) >> format long >> sin(a)	
>> a = [1 2 3] >> b = [1; 2; 3] >> c = [1 2 3]'	
>> A = [1 2 3; 4 5 6; 7 8 9]	
>> A = ones(5) >> B = ones (5,1) >> C = ones(1,5)	
>> A = eye(4) >> B = rand(6,2) >> C = zeros(2,5)	
>> a = 1:10 >> b = 1:0.5:10 >> c = linspace(1,10,3)	
>> A = ones(3,3) >> B = 2*ones(3,3) >> C = A*B >> D = inv(A)*B	
>> A = ones(3,3) >> b = rand(3,1) >> c = rand(1,3) >> A*b >> A*c	
>> A = 2*ones(3,2) >> B = [1 2; 3 4; 5 6] >> A*B >> A.*B	
>> A = [1 2 3; 4 5 6; 7 8 9] >> B = A(2,3) >> C = A(1:2, 1:3) >> D = A(5,5) >> A(5,5) = pi	
>> A = 2*ones(4) >> A^2 >> A.^2	
>> A = [1 2 3; 4 5 6; 7 8 9] >> A(:)	
>> A = [1 2 3; 4 5 6; 7 8 9] >> a = [1 2 3] >> sum(A,1) >> sum(A,2) >> sum(a)	

Commands	Output Notes
>> x = 1:40; >> y = x.^2; >> plot(x,y)	
>> x = 1:40; >> y1 = x.^2; >> y2 = x.^3; >> plot(x,y1,x,y2)	
>> x = 1:40; >> y1 = x.^2; >> y2 = x.^3; >> plot(x,y1,'r--') >> plot(x,y2,'b:')	
>> x = 1:40; >> y1 = x.^2; >> y2 = x.^3; >> plot(x,y1,'r--') >> hold on >> plot(x,y2,'b:')	
>> x = 1:40; >> y = x.^2; >> plot(x,y,'r-') >> plot(x,y,'ro') >> plot(x,y,'ro-','MarkerSize',15)	
>> x = 0:.1:1; >> y = 0:.25:1; >> [X,Y] = meshgrid(x,y); >> Z = sin(pi*X).*sin(pi*Y); >> surf(X,Y,Z) >> mesh(X,Y,Z)	