Q:1

x=linspace ( 0 , 3.14 );

y=cos(2\*x) + 2;

plot(x,y);

hold on

g=-2.\*sin(2.\*x);

plot(x, g,);



Q: 2

x=linspace(0,2\*3.14);

j=(2 + sin(x./2));

plot(x,j);



**Q: 3**

x=linspace(-2,4);

j=(2+2\*x.^2-(x.^3));

plot(x,j);



Question: 8

x=linspace(-6,6);

y=((10\*x.^3-3)./(3.\*(x.^2))-5\*x+8);

plot(x,y);

hold on

j=diff((10\*x.^3-3)./(3.\*(x.^2))-5\*x+8),1);

plot(x,j);