

```

clear

syms x A B b D pstar
%pstar =p*R^2/E/h
w=exp(-b*x)*(A*cos(b*x)+B*sin(b*x))+pstar;
w1=diff(w,x);

res=solve(subs(w,x,0),subs(w1,x,0),A,B);

res.A
res.B
w1=simplify(subs(w1,{A,B},{res.A,res.B}));
w2=(diff(w1,x));

Mo=D*subs(w2,x,0)

w3=(diff(w2,x));

Qo=D*subs(w3,x,0)

W=subs(w,{A,B},{res.A,res.B})

```