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```
% name-amlna nayak
% reg. no -19bcd7143
% date-9/8/19
syms x y
f=sin(pi*x)+sin(pi*y)
u=diff(f,x)
v=diff(u,x)
w=diff(f,y)
x=diff(w,y)
v+x

f =

sin(pi*x) + sin(pi*y)

u =

pi*cos(pi*x)

v =

-pi^2*sin(pi*x)

w =

pi*cos(pi*y)

x =

-pi^2*sin(pi*y)

ans =

- pi^2*sin(pi*x) - pi^2*sin(pi*y)
```

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