```
In[1]:= D[(Sin[Exp[x^2]])^2, x]

Out[1]= 4 e^(x^2) x Cos[e^(x^2)] Sin[e^(x^2)]

In[2]:= Simplify[%]

Out[2]= 2 e^(x^2) x Sin[2 e^(x^2)]
```