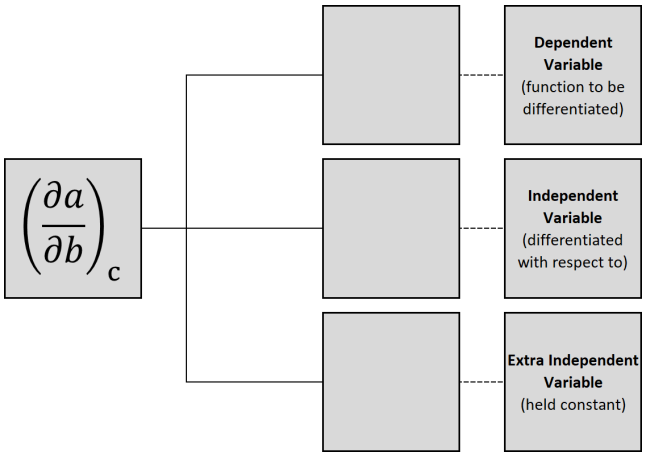
1. In the middle column below, list each variable in the box connected to the description of the role of the variable.



2. If $a = c^3 + 7bc - 5b^2$, find

$$\left(\frac{\partial a}{\partial b}\right)_c$$

3. For the same equation, find

$$\left(\frac{\partial b}{\partial c}\right)_a$$