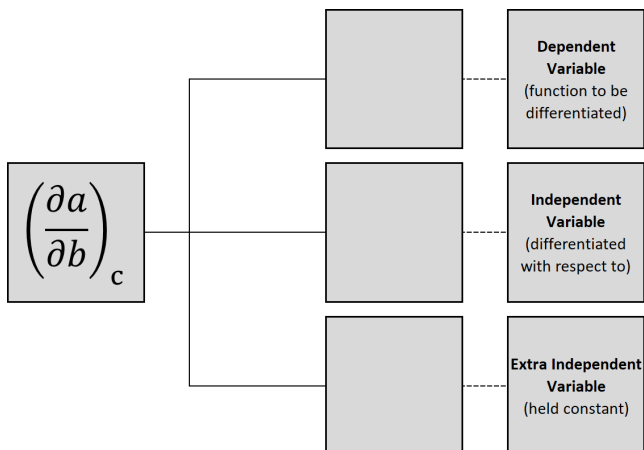


## Student handout

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

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