Text, letter

Description automatically generatedText

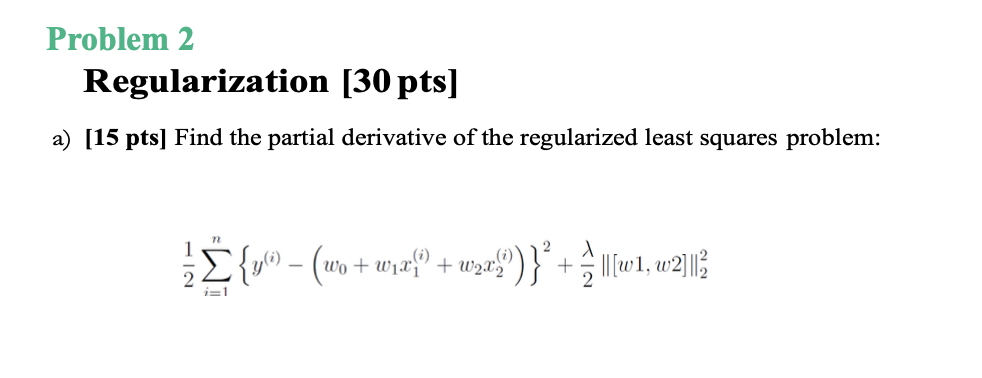
Description automatically generated

If we drop any constants that do not depend on the parameters 𝑤0, 𝑤1, or 𝑤2, we can rewrite 𝑙(𝑤) as,

Graphical user interface, text, application, email

Description automatically generated

Text

Description automatically generated

Let us denote

The partial derivative of h(w) with respect to is:

The partial derivative of h(w) with respect to is:

The partial derivative of h(w) with respect to is:

The gradient descent update rules for is:

Text

Description automatically generated with low confidence