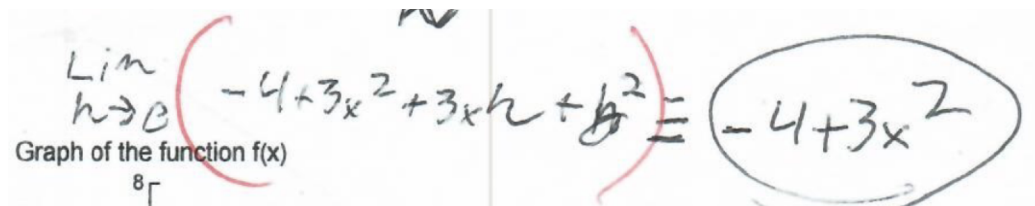
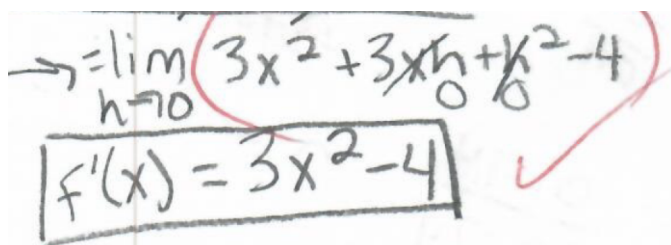

Scope is indicated by parentheses (or brackets, in Mathematica):

I had to correct both of these limits:



Handwritten limit expression: $\lim_{h \rightarrow 0} (-4 + 3x^2 + 3xh + h^2) = -4 + 3x^2$. The expression is annotated with red parentheses around the entire limit and a red checkmark. Below the expression, it says "Graph of the function f(x)" and "8f".

adding the red parentheses:



Handwritten limit expression: $\lim_{h \rightarrow 0} (3x^2 + 3xh + h^2 - 4)$. Below it, the derivative $f'(x) = 3x^2 - 4$ is written in a box with a red checkmark.

There's a big difference between the students' original expressions:

In[405]:= `Limit[-4, h -> 0] + 3 x^2 + 3 x h + h^2`

`Limit[3 x^2, h -> 0] + 3 x h + h^2 - 4`

Out[405]= $-4 + h^2 + 3 h x + 3 x^2$

Out[406]= $-4 + h^2 + 3 h x + 3 x^2$

and the same expressions with the parentheses added:

In[404]:= `Limit[-4 + 3 x^2 + 3 x + h^2, h -> 0]`

Out[404]= $-4 + 3 x + 3 x^2$

Wouldn't you agree? Theirs has h's lingering around where they aren't desired. Because the limit was not applied to them -- only to the first term in their expressions. (By the way, they got their equivalently wrong answers in two different ways!).