Overall, the students did not perform as well in the category of knowledge and comprehension. They appear to have a general understanding of the underlying ideas of calculus, but sometimes they lose track of the details in their computation. Below is a student’s response to a comprehension question where the student did not use the correct rule of differentiation.

7. Suppose that $F(x) = f(x)^2 + 1$, $f(1) = 1$, and $f'(1) = 3$. Find $F'(1)$.

   (A) 3  (B) 4  (C) 5  (D) 6  (E) None of the above

7. $F(x) = f(x)^2 + 1$
   $f(1) = 1$
   $f'(1) = 3$
   $F'(1)$

   $F'(x) = 2f(x)f'(x)$
   $F'(1) = 2f(1)f'(1)$
   $= 2$