Quiz 8.5 – The Fundamental Theorem of Calculus (Part 2)

1. (1 pt) alfredLibrary/AUCI/chapter8/lesson5/quiz/FTC1pet.pg If $f(x) = \int_0^x (t^3 + 3t^2 + 5) dt$, then f'(x) =_____, and f''(x) =______, 2. (1 pt) alfredLibrary/AUCI/chapter8/lesson5/quiz/FTC2pet.pg

2. (1 pt) alfredLibrary/AUCI/chapter8/lesson5/quiz/FTC2pet.pg If $f(x) = \int_{x}^{5} t^{3} \cos(t) dt$,

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 $\frac{\text{then } f'(x) = \underline{\qquad}}{3. \text{ (1 pt) alfredLibrary/AUCI/chapter8/lesson5/quiz/FTC3pet.pg}}$ If $f(x) = \int_0^{x^2} \frac{t^2 - 4}{\sin t} dt$,
then $f'(x) = \underline{\qquad}$.