Colby

MA121B: Spring 2019
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February 25: Daily Vitamin

This daily vitamin will give you an opportunity to practice some of the concepts and/or calculations presented during class. The daily vitamin is not compulsory and won't be graded but remember: **if you take your vitamins, you'll be stronger for it!**

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1. Compute $f'(a)$, the derivative of $f(x)$ at $x = a$. Use this to compute the tangent line to the graph $y = f(x)$ at $(a, f(a))$

   (a) $f(x) = 5x + 1$, $a = 2$.

   (b) $f(x) = x^2$, $a = 5$.

   (c) $f(x) = x^2 + 3x + 1$, $a = 0$.

   Solution: