

Name: _____

Quiz 1

Math 252

You have 20 minutes to complete this quiz and upload your work to Canvas. 2 points will be deducted for each minute late. Write your answers on a separate sheet of paper and scan them with a scanning app. When you're finished, first check your work if there is time remaining, then turn it in. You may use a scientific calculator, but not a graphing one, and you may not consult other people or the internet. **Show all your work unless specifically stated otherwise.**

1. (8 points) Compute $\sum_{i=0}^5 (2i + 1)$.

2. (4 points) Write (or sketch a picture of) the regular partition of $[-1, 1]$ with 4 subintervals. Label all points you use.

3. (8 points) Compute L_4 , the left-endpoint approximation, of $f(x) = e^x$ on $[-1, 1]$. Sketch a picture of what you're adding up, and leave your answer in exact form (i.e. no decimals). You don't need to simplify your answer.