

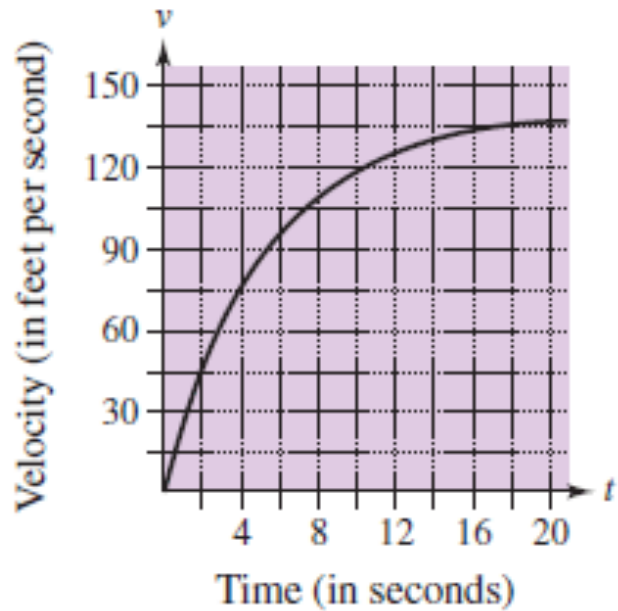
Quiz 2 (AM)

Show *all* your work. Reasonable supporting work must be shown to earn credit. There are *two* sides to this quiz.

1. The graph show the velocity, in feet per second, of a car accelerating from rest.

(a) [1] Shade the area on the graph that corresponds to the distance the car traveled in the first 10 seconds.

(b) [2] If you are working for the car company's sales department, would you approximate the distance the car traveled in the first 10 seconds with left or right end points? Explain your answer.



(c) [2] (WebHW3 #11) Use the graph to estimate the distance the car travels in the first 10 seconds with five rectangles.

2. [2] (summationActivity #1) Expand $\sum_{i=0}^5 \frac{(-1)^i \cdot i}{2}$

3. [3] (§5.1 #30) Find the indefinite integral for $\int \cos(x) + 3^x dx$