Math 125: Calculus II
Dr. Andy Loveless

Exam Dates:
Exam 1: Thurs, April 21th
Exam 2: Thurs, May 19th
Final: Sat, June 4th (1:30-4:20)

First Homework:
Due Wed, Apr 6
HW_1A, HW_1B, HW_1C
which cover 4.9, 5.1 and 5.2

What we will do in this course:

1. Ch. 5: **Define Integrals**.
2. Ch. 6, 8, 9: **Applications**.
3. Ch. 5, 7: **Evaluation Methods**

4.9 Antiderivatives

Idea: Harry gives the velocity function for some object. What is the original function for the position of the object?

In other words: Given $g(x) = f'(x)$, what can you say about $f(x)$?

Def'n: If $g(x) = f'(x)$, then we say

$g(x)$ = "the derivative of $f(x)$", and

$f(x)$ = "an antiderivative of $g(x)$"