Math 114 Spring 2017
Calculus I Practice Homework 8.5
Do not turn in

1. Suppose $f'(x) = \frac{1}{2}f(x)$ and $f(1) = 3$. Use Euler's method to approximate $f(4)$ using three steps.

2. Suppose $f'(x) = 4 - \frac{f(x)}{x}$, and $f(2) = 2$. Use Euler's method and four steps to approximate $f(4)$.

3. Go back and complete all the exercises from Tuesday's lab. Solutions coming soon.

4. Stewart 2.7.3

5. Stewart 2.7.5

6. Stewart 2.7.15

7. Stewart 2.7.19

8. Stewart 2.7.25

9. ($\star$) Stewart 2.7.37