This homework is for the week of September 27. It is due in class next Wednesday, October 6. The reading for the week is Sections 2.6, 3.1, and 3.2 (although we probably won't quite finish 3.2 on Friday). This is the week when we start talking about the derivative of a function; this is the main topic in Calculus I.

Remember that you can work with other students on homework problems, but you should write up and turn in your own solutions.

1. Section 2.6, pages 103–105

Recommended for practice: # 1, 9, 11, 15, 21, 25, 53, 63 **To be turned in:** # 18, 54 (no graph required), 64

2. Section 3.1, pages 131–135

(For this section, remember to use the limit definition to calculate derivatives.)
Recommended for practice: # 2, 3, 19, 25, 39, 41, 43, 53
To be turned in: # 24, 28, 44 (include written explanation), 56

3. Section 3.2, pages 142–145

(For this section, you can use **derivative rules** to calculate derivatives.) **Recommended for practice:** # 7, 15, 21, 35, 41, 42, 59 **To be turned in:** # 24, 40, 58