

Name _____

Homework 0
Formatting, etc.

The purpose of this assignment is simply to have a low (no) stakes assignment to evaluate the correct formatting/spacing of homework assignments before the first “official” homework assignment is due, while also gathering a little information to help the semester go a little smoother (and just a little math).

1. Where (geographically) will you be completing the semester from?
2. When are the current office hours scheduled? [This way I know you have looked at the schedule of office hours at least once.]
3. If you could schedule an office hour at any time (i.e. the perfect time for you to come to office hours and receive help), when would that be? (You can list more than 1)
4. Determine the equation of the line which is tangent to the graph of the function $f(x) = 6\sqrt{x} + 2x + \ln(5 - x) - 9$ at the point where $x = 4$. Give your answer in slope-intercept form.

5. Determine the limit as x tends to infinity of the following functions:

(a) $\frac{(2x + 1)(3x^2 - 1)}{4 - x^3}$

(b) $2 - \frac{x^2}{2x(x - 1)}$

6. Copy the statement found at <https://www.math.arizona.edu/~cjewell/129/hw0.html> and sign your name.