

## Basic Information

This assignment is due on Gradescope by **1:30 PM on Friday, September 13**.

Make sure you understand MHC [honor code](#) and have carefully read and understood the additional information on the [class syllabus](#). I am happy to discuss any questions or concerns you have!

A major component of this class is helping you understand *why* the mathematics you use works the way it does. To that end, make sure you show all your work as you will be graded on the *process* you use, not just your final answer. And if a question asks you to explain why something is true, be sure to answer that part of the question in complete sentences. Remember, answers without any work will receive 0 points.

The homework problems will be graded anonymously so please do not put your name or other identifying information on the pages.

## Turn-In Problems

1.1: 38 (very briefly explain each answer)

1.2: 28 (very briefly explain each answer)

1.4: 2, 4, 8, 16 (for 2 and 4 you should be able to get rid of the logs altogether)

Log problem

7. Solve for  $x$  in the equation  $\ln(\ln x) = 2$ .

## Additional Problems (to do on your own, not to turn in)

1.2: 29

1.4: 1, 5, 7, 13, 15