

Geometry Lab: Instructions

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In this lab, you will be performing image manipulations using linear algebra. Remember, without geometry, life is pointless.

To complete this assignment, please carefully follow the following instructions:

1. Download the detailed instructions for this assignment, [geometry_lab.pdf](#)
2. Download the stencil, [geometry_lab.py](#), for this assignment, and move it into your `matrix` folder.
3. You do not need to submit anything marked *ungraded*.
4. Support code and data resources can be found at the [Coding the Matrix Resources page](#). Here, you will find [image_mat_util.py](#) and [png.py](#).
5. For each problem/task,
 1. Test out your solution in the Python REPL;
 2. Copy your solution into the stencil file `geometry_lab.py`;
 3. Submit your solution by opening a console window, navigating using `cd` to the `matrix` folder, and entering the command `python3 coursera_submit geometry_lab.py`. The script will ask for your username and password. They are located [on the assignments page](#).

You can use the submit command to submit solutions for as many tasks as you like at one time.

Have fun!

