

## 4330 Assignment 1. <sup>1</sup>

Write your code for the following problems in a single file named:

`hw1-lastname.py`

Please: name your file in exactly this way; lowercase 'hw', a dash (not an underscore), and **NO SPACES** in the filename!

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**(1) (20 points)** Download the file `hw1.py` accompanying this assignment. Insert a comment at the top with your name and date.

- (i) Determine the intended purpose of the program. (The calculation should look roughly familiar to you).
- (ii) By hand, compute two **fairly general** examples of possible input values and what the corresponding output values should be, if the program worked correctly. Put those in comments in your code.
- (iii) Correct the mistakes and errors, so the program works properly. Use your two examples to test it.
- (iv) Insert appropriate comments, prompts for the input (so the user knows what they're entering), and add additional information to the output describing what it is.
- (v) What happens if the value zero is supplied for `a`? **You need not correct this error or account for it** - just find out what happens, and add a print statement describing what happens.

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