CSci 4270 and 6270
Computational Vision,
Spring Semester, 2022
Lecture 04 Exercise
Due: Thursday, January 27 at 5 pm EST

Problem

Simlar to Problem 2 from Lecture 3, the supplied code reads in a list of points in two dimensions
and returns it as an array. Complete the code by finding and printing the values of a, b and c for
the orthogonal least squares best fitting line. Print these values each on a separate line, accurate
to 3 decimal places. As before there is a sign ambiguity and resolve this my making sure that a is
positive. (For the sake of time, don't worry about the possibilty that a is 0). Please, no for loops.

The outputs from my code on the two example files are

```
% python prob_sol.py pts_v1.txt
0.905
-0.426
-4.107
```

and

```
% python prob_sol.py pts_v2.txt
0.118
0.993
0.083
```