Title of the document

Your name(s) here
(Dated: August 25, 2021)

List a link to your github link here!

PROBLEM 1

Problem a

Write a solution for problem 1a here.

Problem b

write a solution for problem 1b here.

PROBLEM 2

Here's an equation with numbering

$$\mathbf{F} = \frac{\mathrm{d}\mathbf{p}}{\mathrm{d}t}, \tag{1}$$

and one without numbering:

$$\oint_C \mathbf{F} \cdot \mathrm{d}\mathbf{r} = 0.$$

Here's a figure which we refer to as figure 1.

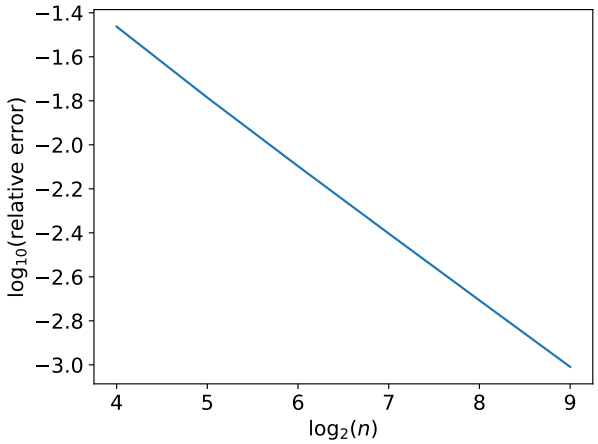

FIG. 1. Write a descriptive caption here, explain its content. Note the size of the text on the axis and the ticks.

Next up is a table. We refer to it by table I
Finally, we can list algorithms by using

Number of points	Output
10	0.3086
100	0.2550

TABLE I. Write a descriptive caption here, explaining the content of your table.

Algorithm 1 Some algorithm

Some maths, e.g $f(x) = x^2$. ▷ Here's a comment
for $i = 0, 1, ..., n - 1$ **do**
    Do something here
while Some condition **do**
    Do something more here
Maybe even some more math here, e.g $\int_0^1 f(x)\mathrm{d}x$