

# Problem Set I

Problem Set Title

October 13, 2024

Enter Professor Name

ENTER NAME<sup>1</sup>

## 1 Section Title

**Problem 1.** Problem statement here.

***Solution.*** Solution goes here. Use the *italic* or **bold** text as needed.

You can add figures (Fig. 1) with captions and labels:

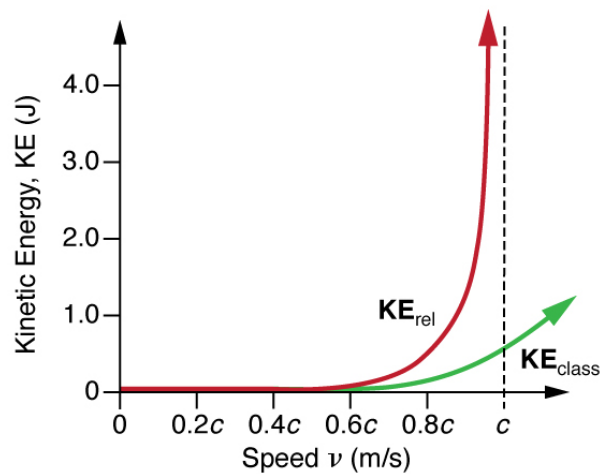


Figure 1: *Caption for the example figure.*

Continue with the rest of the solution. For equations, you can use:

$$E = mc^2 \tag{1}$$

or

$$E = mc^2$$
$$F = ma$$

You can create graphs with the `tikz` package, or use the `pgfplots` package for plots.

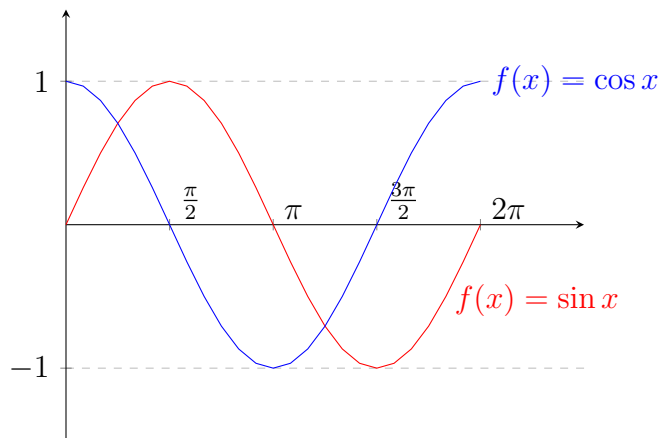


Figure 2: Sine and Cosine functions

Add more text here, or conclude your solution. ■

**Remark.** *Remarks can be added at the beginning, end, or in the solution.*

*Proof.* Proofs can be added at the beginning, end, or in the solution. ■

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<sup>1</sup>Collaborators or other acknowledgments can be added here.