

St John Baptist De La Salle Catholic School, Addis

Ababa

Grade 11 Physics Homework 2

3rd Quarter

Aaron G.K.

March 4, 2024

Information

- The homework is due on **Monday, March 4th**.
- You should Work on it **in groups**.
- For purposes of neatness and simplicity of grading, you should do the homework on an **A-4 paper**. However, use your exercise book as a scrapbook.
- **All answers should be written using a pen. Do not use a pencil. If you make an error, strike a line through it and correct it on the next line.**
- **DO NOT PREPARE A COVER PAGE, JUST WRITE THE NAME OF THE MEMBERS ON THE SAME PAGE AS THE ANSWERS**

1 Homework 2 Questions

1.1 Conceptual Questions

1.1.1 Energy Conservation

Do problems 10, 14, and 16

<https://openstax.org/books/university-physics-volume-1/pages/8-conceptual-questions>

1.1.2 Linear Momentum & Impulse

Do problems 10, 14, 15, and 16

<https://openstax.org/books/university-physics-volume-1/pages/9-conceptual-questions>

1.2 Problems

1.2.1 Energy Conservation

Do problems 60 and 66

<https://openstax.org/books/university-physics-volume-1/pages/8-problems>

1.2.2 Linear Momentum, Impulse & Center of Mass

Do problems 20, 22, 30, 36, 42, 44, 60, 68, 80

<https://openstax.org/books/university-physics-volume-1/pages/9-problems>

1.3 Additional Problems**1.3.1 Energy Conservation**

Do problems 70, 84, and 88

<https://openstax.org/books/university-physics-volume-1/pages/8-additional-problems>

1.3.2 Linear Momentum, Impulse & Center of Mass

Do problems 95, 103, 105, and 109

<https://openstax.org/books/university-physics-volume-1/pages/9-additional-problems>