

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 210 – Mechanics & Heat

Fall 2022

Problem Set #10/11

Problem Set Due: **Tues., Nov 22, 2022** **Caution: due on Tuesday**

Read OpenStax: Chapter 13.1-13.4, 14.1-14.3, Lecture Notes #10, #11

Show explicitly all your work for full credit.

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|-----------------------------------|-----------------------------|
| 1. OpenStax: Example 13.1 | show figure and calculation |
| 2. OpenStax: Example 13.3 | show figure and calculation |
| 3. OpenStax: Example 13.6 | show figure and calculation |
| 4. OpenStax: Example 13.9 | show figure and calculation |
| 5. OpenStax: Example 13.10 | show figure and calculation |
| 6. OpenStax: Example 14.1 | show figure and calculation |
| 7. OpenStax: Example 14.2 | show figure and calculation |
| 8. OpenStax: Example 14.3 | show figure and calculation |
| 9. OpenStax: Example 14.4 | show figure and calculation |

Staple solutions to Problem #1-#9 together