

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 210 – Mechanics & Heat

Spring 2022

Problem Set #1/2

Problem Set Due: Thurs., Jan. 27, 2022

Read OpenStax: Chapter 2, Lecture Notes #1

Show explicitly all your work for full credit.

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|------------------------------|-----------------------------------|
| 1. Expert TA: 1.4.3 | show calculation and figure |
| 2. Expert TA: 2.1.6 | show calculation and figure |
| 3. Expert TA: c2.2.1 | <i>conceptual problem—explain</i> |
| 4. Expert TA: 3.1.11 | <i>conceptual problem—explain</i> |
| 5. Expert TA: 3.1.33 | show calculation and figure |
| 6. Expert TA: c3.3.2 | <i>conceptual problem—explain</i> |
| 7. Expert TA: 3.3.7 | show calculation and figure |
| 8. Expert TA: c3.4.13 | <i>conceptual problem—explain</i> |
| 9. Expert TA: 3.5.2 | show calculation and figure |
| 10. Expert TA: 3.5.10 | show calculation and figure |
| 11. Expert TA: 3.5.13 | show calculation and figure |
| 12. Expert TA: 3.5.57 | show calculation and figure |
| 13. Expert TA: c3.6.2 | show calculation and figure |
| 14. Expert TA: 3.6.6 | show calculation and figure |
| 15. Expert TA: 3.6.31 | show calculation and figure |