

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 162 – Introductory Astronomy

Fall 2025

Problem Set #3

Problem Set Due: Thur., Sept. 18, 2025

Read OpenStax: Chapter 3

There will be a Quiz #1 for week of Sept 22

Show explicitly all your work for full credit.

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|--------------------------------|--------------------------------------|
| 1. Expert TA: 3.1.1 | multiple choice |
| 2. Expert TA: 3.1.2 | multiple choice |
| 3. Expert TA: 3.1.16 | multiple choice |
| 4. Expert TA: 3.1.24 | multiple choice |
| 5. Expert TA: 3.1.37 | multiple choice |
| 6. Expert TA: 3.1.39 | multiple choice |
| 7. Expert TA: 3.1.42 | multiple choice |
| 8. Expert TA: 3.1.50 | multiple choice |
| 9. Expert TA: 3.2.1 | show calculation |
| 10. Expert TA: 3.2.9 | show calculation |
| 11. Expert TA: 3.3.1 | write out paragraph & circle answers |
| 12. Expert TA: ch_3.1.review | explain |
| 13. Expert TA: ch_3.11. review | explain |
| 14. Expert TA: 3.6.5 | true/false |
| 15. Expert TA: 3.6.15 | true/false |
| 16. Expert TA: 3.6.22 | true/false |