

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 162 – Introductory Astronomy

Fall 2026

Problem Set #4

Problem Set Due: Thurs., Oct. 1, 2026

Read OpenStax: Chapter 4

Show explicitly all your work for full credit.

1. Expert TA: 4.1.1 multiple choice
2. Expert TA: 4.1.3 multiple choice
3. Expert TA: 4.1.5 multiple choice
4. Expert TA: 4.1.6 multiple choice
5. Expert TA: 4.1.19 multiple choice
6. Expert TA: 4.2.9 v1 show calculation
7. Expert TA: 4.2.13 v1 show calculation
8. Expert TA: 4.3.2 draw figure
9. Expert TA: 4.6.1 true/false
10. Expert TA: 4.6.9 true/false
11. Expert TA: 4.6.11 true/false

<https://wayground.com/join?gc=15588749&source=liveDashboard>

12. Take a latitude & longitude quiz on WayGround (I'm testing this thing out). First sign in to Wayground by going to the link: <https://joinmyquiz.com> and enter the class-code: 0441 2301. Sign in with Google is the easiest method (if you do not have a Google account, you can easily create one). You should see a welcome sign saying: ***"You're joining the Class: Physics 162 Astronomy – Fall 2026"*** Use the Pencil Tool on the right hand side to write your name. Skip the "parent or guardian email address" field. Then you and click on "Join game" and "Start". You may wish to enable "music" and "sound effects".

Use the snipping tool (like you did for the last problem of Problem Set #2) to show the summary page and upload it to Blackboard along with your written homework. An example is to the right:

There is no need to upload any written answers to questions for the quiz: just upload the summary picture (like the one to the right) to Blackboard (insert it into your homework so that you upload only one pdf).

