

ASTR 5110 Atomic and Molecular Processes Fall 2023. Problem Set 1. Due in class Wed 6 Sep.

Do the following problems from the notes. Most of the problems this week are thought problems rather than mathematical problems. You don't necessarily have to say very much, but I am looking for a clear exposition that shows you understand what's going on.

6.1. (4 points) Short.

8.2. (4 points) Short.

8.3. (6 points) Somewhat longer.

10.1. (4 points) Shortish.

13.2. (4 points) Interesting.

13.3. (4 points) Short.

14.1. (4 points) Short.