

## Astro 381 (Gravitational Dynamics) : Homework 3

Assigned on Tu Apr. 6, 2010. Due in class on Tu Apr 13, 2010

The questions with notation “GD” are in the **second edition (2008; Princeton University Press)** of the textbook “Galactic Dynamics” (GD) by J. Binney & S. Tremaine. In case you have the first edition of the book, a copy of the questions will be handed in class. The number of points for each question is indicated in brackets. and the total score is 100 points.

1. GD, problem 4.1 [**10 pts**]
2. GD, problem 4.5 [**15 pts**]
3. GD, problem 4.18 [**20 pts**]
4. GD, problem 4.35 [**20 pts**]
5. GD, problem 4.36 [**20 pts**]
6. GD, problem 4.40 [**15 pts**]