

Astro 381 (Gravitational Dynamics) : Homework 2
Assigned on Th Mar. 11, 2010. Due in class on Tu Mar 23, 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, along with the figures or equations they refer to, 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 3.1 [**10 pts**]
2. GD, problem 3.2 [**10 pts**]
3. GD, problem 3.3 [**10 pts**]
4. GD, problem 3.4 [**10 pts**]
5. GD, problem 3.8 [**15 pts**]
6. GD, problem 3.15 [**10 pts**]
7. GD, problem 3.18 [**15 pts**]
8. GD, problem 3.21 [**10 pts**]
9. GD, problem 3.23 [**10 pts**]