## **HOMEWORK # IV**

- 1. Describe the rotation curves of spiral galaxies. What is the Dark Matter problem?
- 2. What are radio galaxies? What are AGNs?
- 3. Describe the large-scale distribution of luminous matter in the universe.
- 4. What is the Hubble law? What is the Big Bang?
- 5. Describe the homogeneity and isotropy of the universe.