

HON 210 Homework #2

1. How is the mass of a black hole determined?
2. Black hole mergers.
 - a. How many black hole collisions were detected by LIGO and VIRGO?
 - b. How big were the black holes before and after the collision?
3. Will the Sun become a black hole? Explain.
4. Gravitational slingshot effects have been used in movies and in real space explorations.
 - a. Can you find 5 different instances in the movies (no *Interstellar*)?
 - b. What are the five most recent instances for interplanetary space travel?