

AY 5, Summer Session I, 2008:
Quiz #4b

Draft: July 22, 2008

Instructions: *Choose one of the three questions.* Each question is worth up to **20 points**, which will be combined with your score from the first math quiz. **Hint:** Think back to the problem sets. The more *non-contradictory* information you provide, the more points you are likely to receive.

1. Describe Hubble's Law and its use(s) in astronomy. For example, give details about the observations that are necessary to measure the Hubble constant.
2. Describe blackbody radiation, its properties, and its use(s) in astronomy. For example, give examples of astronomical sources that are well described by blackbody radiation
3. Describe mass-energy equivalence and its use(s) in astronomy. For example, describe astronomical process(es) that rely on mass-energy equivalence.