1. The faintest star visible with the naked eye has a brightness in magnitudes of
   a. -26
   b. 0
   c. +6
   d. +29
   e. +50

2. How far away is the Andromeda Galaxy?
   a. 4.22 ly
   b. 100,000 ly
   c. 2 \times 10^6 ly
   d. 48 million ly
   e. 2 billion ly

3. The **angular** size (diameter) of the Sun is
   a. 0.5 arc sec
   b. 0.5 arc min
   c. 0.5 degree
   d. impossible to measure

4. How much time does it take for light to travel from the Moon to the Earth? The Moon is at a distance of 384 x 10^3 km from the Earth? The speed of light is c = 3 \times 10^8 m/s.
   a. 0.1 sec
   b. 1 sec
   c. 8 sec
   d. 8 minutes
   e. 4.22 years

5. A galaxy contains:
   a. primarily planets.
   b. lots of gas and dust but very few stars.
   c. gas, dust, and stars.
   d. a single star and planets.
   e. thousands of superclusters

6. The average distance from Earth to the Sun is
   a. 1 ly
   b. 1 million km
   c. 1 million miles
   d. 1 billion km
   e. 1 AU

**ANSWERS: 1c, 2c, 3c, 4b, 5c, 6e**