

Your name (print) \_\_\_\_\_

Your FSUID (print) \_\_\_\_\_

## AST 1002 Section 1 (Dobrosavljevic) PLANETS, STARS, GALAXIES

### Mini Quiz 1

**Instructions:** Write your name and your FSUID on the top of this page. Please read the problems CAREFULLY. Each question has one answer. Circle the correct (closest) answer. You may use these exam sheets as scratch paper. **Anyone discovered in any way to have cheated on this examination will fail this course.**

1. The mean distance of Saturn from the Sun, 1,427,000,000 km, can be written in shorthand notation as

- a.  $1.427 \times 10^6$  km.
  - b.  $0.1427 \times 10^9$  km.
  - c.  $1.427 \times 10^7$  km.
  - d.  $1.427 \times 10^9$  km.
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2. The number 50,000 is written in powers-of-ten notation as

- a.  $5 \times 10^4$ .
  - b.  $5 \times 10^5$ .
  - c.  $(50) \times 10^{-3} = 5 \times 10^{-2}$ .
  - d.  $5 \times 10^3$ .
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3. A county has 100 district, and each district has 10,000 people. How many people live in this county?  
Express the answer in the powers of 10 notation.

- a.  $10^3$
  - b.  $10^5$
  - c.  $10^4$
  - d.  $10^6$
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4.  $10^0$  (10 to the power 0) =

- a. 0
- b. 10
- c. undetermined; not a real number
- d. 1