
Name (Last, first)

Astronomy 110 Homework 1

Write the answers to the questions on this sheet.
Homework due by 11.20 am January 26th 2005

1. Write the following numbers in scientific notation:
 - a. 200
 - b. 3,600
 - c. 4,000,000,000
 - d. 0.08
 - e. - 0.143
 - f. 0.00000024

2. Write the following numbers as integer numbers or decimal numbers (such as 1,734 or 0.063)
 - a. 2.56×10^2
 - b. 1×10^9
 - c. 3.4×10^{-4}
 - d. 6×10^{-7}

3. Convert the following distances to metric units (approximate values - within 10% - are ok)
 - a. 4 inches
 - b. 10 miles
 - c. 60 yards
 - d. 0.3 inches

4. Convert the following distances to “American” units, such as feet, inches, miles. (approximate values - within 10% - are ok)
 - a. 4 kilometers
 - b. 60 centimeters
 - c. 80 meters
 - d. 3 millimeters

5. What is your height in centimeters?

6. Roughly how far is it from your home to Watanabe Hall, using meters and scientific notation?