

# Math 1303 - Math in the Liberal Arts

Quiz #3 - 2008.01.28

Solutions

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1. Write the following numbers in scientific notation.

a) 13,030,000,000,000,000

$$13,030,000,000,000,000 = 1.303 \times 10^{16}$$

b) 0.000000001241

$$0.000000001241 = 1.241 \times 10^{-9}$$

2. Express the following numbers in decimal notation.

a)  $6.23 \times 10^{12}$

$$6.23 \times 10^{12} = 6,230,000,000,000$$

b)  $1.01 \times 10^{-8}$

$$1.01 \times 10^{-8} = 0.0000000101$$