Math 01, Extra Credit Homework 8 on Sections 4.7 - 4.12
Hand in by Wed, Apr 13 at the start of class.

Write all your working out and answers on a separate sheet. It is very important that you show clearly any work you had to do to get the answer. These first ten questions are 2 points each and **the answers are on page 2**.

(1) Compute: 38.92×10^{-3}

(2) Calculate: 14.093×9.2

(3) Multiply: $(-6)(-0.9)(-0.11)$

(4) Compute, using the bar notation for a repeating decimal: $0.07 \div 9$

(5) Calculate exactly: $43.032 \div 0.22$

(6) Convert into scientific notation **(a)** 19340 **(b)** 0.0067

(7) Express in scientific notation: $(5 \times 10^9)(3 \times 10^6)$

(8) Convert these decimals or percents into fractions or mixed numbers in lowest terms
   (a) 0.25 **(b)** 98% **(c)** 3.15

(9) Convert $1/12$ to a percent, rounded to the nearest tenth of a percent.

(10) A $\$500$ television is being sold at a 15% discount. What is the sale price?

These next eight [1] questions are 2 points each. Show clearly all your working out and reasoning.

(11) Calculate: 76.23×5.06

(12) Multiply: $(3.9)(-7.2)(0.44)$

(13) Compute, using the bar notation for a repeating decimal: $6.01 \div 3$

(14) Calculate exactly: $73.814 \div 0.13$

(15) Convert into scientific notation **(a)** 0.00000094 **(b)** 780030000

(16) Convert these decimals or percents into fractions or mixed numbers in lowest terms
   (a) 0.45 **(b)** 15% **(c)** 2.8

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[1]Two more questions on the next page!

(17) Convert $2/13$ to a percent, rounded to the nearest tenth of a percent.

(18) A $280 television is being sold at a 30% discount. What is the sale price?

Answers to questions (1)-(10):

(1)   0.03892

(2)   129.6556

(3) -0.594

(4) $0.00\overline{7}$

(5)   195.6

(6)   **(a)** 1.934×10^4 **(b)** 6.7×10^{-3}

(7) 1.5×10^{16}

(8)   **(a)** $\dfrac{1}{4}$ **(b)** $\dfrac{49}{50}$ **(c)** $3\dfrac{3}{20}$

(9) 8.3%

(10)   The sale price is $425