Math 1000, Quiz #2, Summer 2013   Name _____ KEY _____

Instructions: Show any work required (though many of the problems on this quiz can be done in your head).

1. Convert the following numbers in Roman numerals into Arabic numerals, or convert numbers in Arabic numerals into Roman numerals, as needed.
   a. XLVI   46

   b. MCMIII   1903

   c. 427   CDXXVII

   d. 909   CMIX

2. Convert military time to 12-hour time, or 12-hour time to military time. (12-hour time is indicated with an a.m. or p.m. beside it.)
   a. 2134   9:34 p.m.

   b. 0030   12:30 a.m.

   c. 1:12 p.m.   1312

   d. 7:00 a.m.   0700

3. Round to the indicated digit.
   a. 113.85077 (thousandths)   113.851

   b. 69.65433 (tenths)   69.7

   c. 98.54088797 (tens)   100

4. Perform the indicated operations. (Show your work. You may check answers in calculator.)
   a. $\frac{1}{2} + \frac{1}{5} =$ $\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$

   b. $\frac{5}{6} - \frac{7}{12} =$ $\frac{10}{12} - \frac{7}{12} = \frac{3}{12} = \frac{1}{4}$

   c. $\frac{24}{49} \times \frac{21}{27} =$ $\frac{9}{28}$

   d. $\frac{16}{27} \div \frac{64}{81} =$ $\frac{16}{27} \times \frac{81}{64} = \frac{3}{4}$