Name (Please Print) _____

MATH 320 Exam 2 September 13, 1999

I. Do the following calculations by the geometric method.

A) $\frac{2}{3} + \frac{3}{4}$

B) $\frac{2}{3} - \frac{1}{2}$

C) $\frac{3}{4} \times \frac{2}{3}$

II. Do the following calculations by the arithmetic method.

a) $\frac{3}{5} - \frac{1}{4} =$

b) $\frac{2}{7} \times \frac{3}{5} =$

c) $\frac{3}{10} \div \frac{6}{100} =$

d) $\frac{2}{5} \div \frac{7}{3} =$

III. Do the following decimal calculations by converting into fractions.

a) $.3 + .04 =$

b) $1.06 \div .2 =$

c) $5.37 - 2.4 =$

d) $.6 \times .4 =$

IV. Do the following calculations using the rules for decimals.

A) $7.3 - 1.02 =$

B) $7.2 \div .6 =$

C) $2.4 \div .03 =$

D) $1.6 \times .04 =$

V. Powers of 10.

A) Rewrite $.001$ as a power of 10.

B) Calculate $10^7 \div 10^3$.

C) Calculate $.001 \div 1000$ by converting to powers of 10.

D) Calculate $10^{-3} \times 10^{+5}$.

IV. Scientific notation.

A) Which is larger, 13×10^7 or 1.2×10^8?