Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RATIONAL NUMBERS AND OPERATIONS REVIEW

A rational number is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A fraction is considered “Relatively Prime” if \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify:

Convert to decimal: (Indicate repeating decimals when applicable. Round off to nearest 1000th when necessary)

$\frac{7}{12} $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $\frac{3}{8} $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$1\frac{8}{9} $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 $\frac{1}{11} $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert to fractions:

.85 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ .64 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8.4375 \_\_\_\_\_\_\_\_\_\_\_\_\_ 3.375 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Compare the following values: (˂, ˃, or =)

$3\frac{2}{3}$ \_\_\_\_\_\_\_\_\_\_\_\_ 3.65 $\frac{10}{3} $ \_\_\_\_\_\_\_\_\_\_\_ 3 $\frac{1}{3}$

$\frac{11}{15}$ \_\_\_\_\_\_\_\_\_\_\_ .74 $\frac{7}{11} $\_\_\_\_\_\_\_\_\_\_\_ $\frac{9}{13} $

Solve:

Solve the following problems. Write the answers in simplest form:

 $\frac{2}{3} ×5\frac{1}{7} \\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$ $\frac{4}{9} ÷ \frac{2}{3} = \\_\\_\\_\\_\\_\\_\\_\\_\\_$

 $2\frac{2}{9} + \frac{1}{4} = \\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$ $124.02 ÷ .003 = \\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$

2.625 ÷ $\frac{2}{3} $ = \_\_\_\_\_\_\_\_\_\_\_\_ Donnie Baseball has a .294 batting average. His teammate, Tony Knuckleball has a batting average that is $\frac{5}{6} $of Donnie’s. What is Tony’s batting average?