

Name Key  
Mrs. Roubos

Date \_\_\_\_\_  
8R Period \_\_\_\_\_

### Homework Day 3

Reduce (simplify) the following fractions A<sup>b</sup>/c

1)  $\frac{4 \div 4}{12 \div 4}$

$\left(\frac{1}{3}\right)$

2)  $\frac{14 \div 2}{24 \div 2}$

$\left(\frac{7}{12}\right)$

3)  $-\frac{2 \div 2}{8 \div 2}$

$\left(-\frac{1}{4}\right)$

4)  $\frac{10}{21}$

$\left(\frac{10}{21}\right)$

Write each decimal as a fraction in simplest form. 2<sup>nd</sup> PRB

5) 0.4

$\frac{4 \div 2}{10 \div 2} = \left(\frac{2}{5}\right)$

6) 0.35

$\frac{35 \div 5}{100 \div 5} = \left(\frac{7}{20}\right)$

7) 1.2

$\frac{12 \div 2}{10 \div 2} = \left(\frac{6}{5}\right)$

8) 0.0075

$\frac{75 \div 25}{10,000 \div 25} = \left(\frac{3}{400}\right)$

9)  $.3\overline{3}$

$\frac{3 \div 3}{9 \div 3} = \left(\frac{1}{3}\right)$

10)  $5.2\overline{626}$

$5 \frac{26}{99}$

11)  $0.45\overline{8458}$

$\frac{458}{999}$

12)  $2.\overline{5}$

$2 \frac{5}{9}$

Write each fraction as a decimal. ÷

13)  $\frac{1}{9}$

$$\begin{array}{r} 111 \\ 9 \overline{) 1.000} \\ \underline{-9} \phantom{00} \\ 10 \phantom{0} \\ \underline{-9} \phantom{0} \\ 10 \phantom{0} \\ \underline{-9} \phantom{0} \\ 10 \phantom{0} \\ \underline{-9} \phantom{0} \\ 10 \phantom{0} \end{array}$$

$\left(.\overline{111}\right)$

14)  $-\frac{11}{20}$

$$\begin{array}{r} .55 \\ 20 \overline{) 11.00} \\ \underline{-10} \phantom{00} \\ 100 \\ \underline{-100} \\ 0 \end{array}$$

$\left(-0.55\right)$

15)  $\frac{6}{5}$

$$\begin{array}{r} 1.2 \\ 5 \overline{) 6.0} \\ \underline{-5} \phantom{0} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

$\left(1.2\right)$