

Converting Repeating Decimals to Fractions and Decimal Expansion

Monday Homework

1. Write each repeating decimal as a fraction in simplest form*

a. $0.\overline{7}$

b. $0.\overline{24}$

c. $5.\overline{61}$

d. $3.\overline{5}$

e. $1.\overline{123}$

f. $6.\overline{9}$

2. Find the decimal expansion of the following*:

a. $\frac{4}{15}$

b. $\frac{5}{12}$

c. $\frac{13}{20}$

d. $1\frac{3}{8}$

e. $3\frac{2}{5}$

f. $\frac{1}{45}$

Tuesday Homework

3. Write each repeating decimal as a fraction in simplest form*

a. $0.\overline{43}$

b. $0.\overline{8}$

c. $2.\overline{72}$

d. $4.\overline{36}$

e. $1.\overline{234}$

f. $3.\overline{9}$

4. Find the decimal expansion of the following*:

a. $\frac{5}{8}$

b. $1\frac{7}{30}$

c. $2\frac{1}{5}$

d. $\frac{5}{24}$

e. $\frac{1}{60}$

f. $\frac{8}{9}$