

Real Numbers

Sept 14

p. 121

1a) $\frac{1}{2} = 0.5 \Rightarrow$ terminating decimal

d) $-\frac{3}{0} \rightarrow$ not possible

e) $-\frac{0}{4} = 0$ rational

$$\ln \sqrt{5} = 2.2360679 -$$

Irrational

→ non-repeating
+ non-terminating

$$2. \quad \frac{-2 \times 2 - 4}{5 \times 10}$$

equivalent forms

$$3. \quad \frac{7 \times 67}{1 \times 67} = \frac{14}{2} = \frac{4169}{67}$$

$$10. \quad \frac{4}{8} \div \frac{4}{4} = \frac{1}{2}$$

lowest terms

$$11. \quad -\frac{3}{6} \div \frac{3}{3} = -\frac{1}{2}$$

18.

$$\begin{array}{r} +3 \\ 2 \times 4 \end{array}$$

$$= \frac{11}{4}$$

improper
fraction

19.

$$\begin{array}{r} 5 \frac{1}{3} \\ = \frac{16}{3} \end{array}$$

$$26. \quad 0.5 = \frac{5}{10}$$

$$= \frac{1}{2}$$

$$27. \quad -0.4$$

$$= -\frac{4}{10}$$

$$= -\frac{2}{5}$$

$$28.14$$

$$1\frac{4}{10}$$

$$= \frac{14}{10}$$

$$= 1\frac{7}{5}$$

$$32.\overset{\$}{-}6.36$$

$$= \frac{-36}{100}$$

$$= \frac{-9}{25}$$

$$34. \$1.62$$

$$= \frac{62}{100}$$

$$= \frac{162}{100}$$

$$= \frac{81}{50}$$

$$38. 0.3131$$

$$= 0.31$$

bar nol en!

44.

2
3

$$= 0.\overline{6666}$$

$$= 0.6\overline{7}$$

45.

$-\frac{7}{8}$

$$= -0.875$$

numerator
denominator

homework

through 42

on homesheet