P121 Real Numbers /5pt15

a) $\frac{1}{2}$

$= 0.5$ terminating decimal

= rational number

d) $\frac{-3}{0}$ division by zero is impossible

error

e) $\frac{0}{4}$

$= 0$ rational number

h. $\sqrt{5}$

$= 2.236067978$

irrational number - non-terminating non-repeating

2. $-\frac{2}{5} = \frac{-4}{10}$

equivalent form

3. $\frac{7}{1} = \frac{14}{2}$

10. $\frac{4}{8}$

$= \frac{1}{2}$

lowest terms

11. $\frac{-3}{6}$

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

18. $2\frac{3}{4}$ $+$ $\times$

$= \frac{11}{4}$

improper fraction

19. $5\frac{1}{3}$ $+$ $\times$

$= \frac{16}{3}$

26. 0.5

$= \frac{5}{10}$

$= \frac{1}{2}$

27. -0.4

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

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

28. 1.4

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

$= \frac{14}{10}$

$= \frac{7}{5}$

$32.\$ - 0.36$

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

$= -\frac{18}{50}$

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

$34.\ 1.62$

$= 1\frac{62}{100}$

$= \frac{162}{100} \div \frac{2}{2}$

$= \frac{81}{50}$

38. $0.31313\ldots\ldots$

$= 0.\overline{31}$

bar notation

45 $-\frac{7}{8}$

$= -0.875$

44. $0.6\frac{2}{3}$

$= 0.\overline{6}$

Homework

p. 121

thru 51 on p. 122