

Math 20, Thurs, 3/2

Return tests + go over
Progress reports

New material: 4.5, 4.6
7.1, 7.2

Saturday
3/4
is the deadline
to withdraw
or change
to Pass/NoPass

Register for
Spring!!

All corrections/recovery work
due ~~next Thurs~~
Tues 3/14

Section 4.5 Fractions and Decimals

$$\frac{1}{4} = .25$$

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

$$\frac{1}{3} = .3333\dots$$

= $.\overline{3}$ ← overbar

$$1.25 = \frac{5}{4}$$

$$3.\overline{12} = 3.121212\dots$$

Changing Decimals to Fractions

$$.29 = \frac{29}{100}$$

$$.005 = \frac{5}{1000} = \frac{1}{200}$$

Changing Fractions to Decimals

$\frac{1}{3}$ means $1 \div 3$

$$\begin{array}{r} .333\dots \\ 3 \overline{) 1.00} \leftarrow \text{add zeros} \\ \underline{-9} \\ 10 \\ \underline{-9} \\ 10 \\ 9 \end{array}$$

$$= \overline{.3}$$

round to the nearest hundredth $.33$

Section 4.6 Square roots

- Perfect squares
- 1
 - 4 = 2 · 2 = 2²
 - 9 = 3 · 3 = 3²
 - 16 = 4 · 4 = 4²
 - 25 = 5 · 5
 - 36
 - 49
 - 64
 - 81
 - 100
 - 121
 - 144

$$5^2 = 25$$

square root radical

$$\sqrt{25} = 5$$

$$\sqrt{81} = 9$$

$$\left(\frac{1}{4}\right)^2 = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$$

$$\sqrt{\frac{1}{16}} = \frac{1}{4}$$

Decimal

$$\sqrt{.49} = .7$$

$$\sqrt{.0049} = .07$$

check:

$$\begin{array}{r} .7 \\ .7 \\ \hline 49 \end{array}$$

Section 7.1 - Reading Tables and Graphs

see worksheet