Alg I

Std: Number Sense, Operations

1. Old HW
2. Std
3. Vocab
4. p 38 3-8, 14-21
   p 46 3-12
5. Chapter 1 Test next class

p 39 (20)

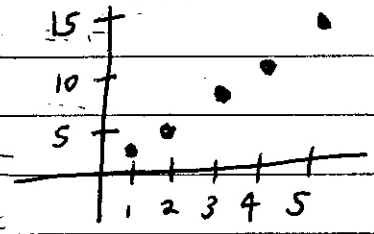
x	0	1	2	3
y	2.2	3.2	4.2	5.2

$y = x + 2.2$

p 46 (6) D: {1, 2, 3, 4, 5}
$y = 3x - 1$ R: {2, 5, 8, 11, 14}

for 1 $y = 3(1) - 1 \rightarrow 3 - 1 \rightarrow 2$

for 2 $y = 3(2) - 1 \rightarrow 6 - 1 \rightarrow 5$



Vocab

1. Function (1, 3) (2, -2) if (4, -5)
2. Domain
3. Range
4. Independent Variable
5. Dependent Variable

p 46 (12) D: {0, 1, 2, 3}
R: {1, 1.5, 2, 2.5}

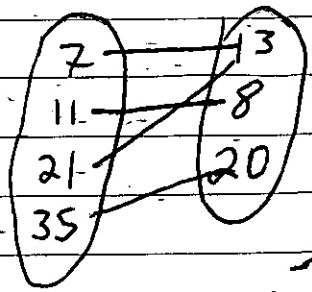
~~y = .5~~

$y = mx + b$

$y = \frac{1}{2}x + 1$

p 38 (4) D: {3, 5, 7, 8}
R: {7, 5, 3, 2}

p 38 (8) Yes, it is a fctn



~~Not a fctn~~ because 7 and 21 pair with 13.

Review for test Chapter 1 p 53-57

(6) $y - 2 \rightarrow 18 - 2 \rightarrow 16$

(18) $50 - [7 + (3^2 \div 2)]$

$50 - [7 + (9 \div 2)] \rightarrow 50 - (7 + 4.5)$

$50 - 11.5 \rightarrow 38.5$

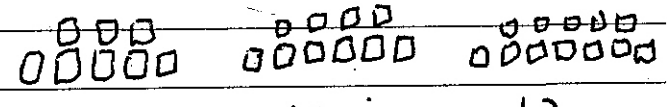
(26) let a = # of axles, $3a$

(25) $3 \cdot x^2 \rightarrow 3x^2$

(28) $z \cdot 12 = 60 \rightarrow 12z = 60$

(34) Total = 30

Row 1 Row 2 Row 3



8 10 12

p 39 (18) $y = \frac{2}{3}x + \frac{1}{3}$ D: {4, 6, 8, 12}
R: $\{3, 4\frac{1}{3}, 5\frac{2}{3}, 8\frac{1}{3}\}$

for 4 $y = \frac{2}{3}(4) + \frac{1}{3}$

$y = \frac{8}{3} + \frac{1}{3} \rightarrow \frac{9}{3} \rightarrow 3$

for 6 $y = \frac{2}{3}(6) + \frac{1}{3} \rightarrow \frac{12}{3} + \frac{1}{3} \rightarrow 4\frac{1}{3}$

for 8 $y = \frac{2}{3}(8) + \frac{1}{3} \rightarrow \frac{16}{3} + \frac{1}{3} \rightarrow 5\frac{2}{3}$

for 12 $y = \frac{2}{3}(12) + \frac{1}{3} \rightarrow \frac{24}{3} + \frac{1}{3} \rightarrow 8\frac{1}{3}$

Try p 57

~~Sept~~ Aug 30 Notes

Std: Number Sense, Operations

p10 3-18 all
p18 3-25 all
p24 3-11 all
p32 14, 19

Order Of Operations

PEMDAS

paranthesis, exponents, multp/div add/subtr

p10 (4) $8-2^2$
$8-4$
4

p10 (14) $24 \div (8+4^2)$
$24 \div (8+16)$
$24 \div 24$
1

p10 (18) $8(20-(9-5)^2)$
$8(20-4^2)$
$8(20-16)$
$8 \cdot 4$
32

p18 (4) $6 \cdot y \rightarrow 6y$

p18 (10) $p^2 - 3$

p18 (16) $5-p$

p18 (20) $\frac{m}{60}$

p18 (22) $\left(\frac{300\ \text{yd}}{1\ \text{min}}\right)\left(\frac{3\ \text{ft}}{1\ \text{yd}}\right)\left(\frac{1\ \text{min}}{60\ \text{sec}}\right)$
15 ft per sec

p24 (4) $z-11=35$

p24 (6) $12+(8k)=48$

p24 (10) $8 \cdot k > 4$
$8k < 16$
$4 < 8k < 16$ best

p24 #8 use $\leq$

p32 (14) 1 rack 22 CD's #21
127 CD's ?

$$22\overline{)127.0} \quad 5.*$$
110
17.0

Need 6 racks
$6 \times \$21 = \$126$

p32 (19) $\left(\frac{4800\ \text{ft}}{1\ \text{sec}}\right)\left(\frac{.2\ \text{sec}}{1}\right) = 960\ \text{ft}$

a) 960 ft
b) 480 ft