Alg. 1 Review Cont...

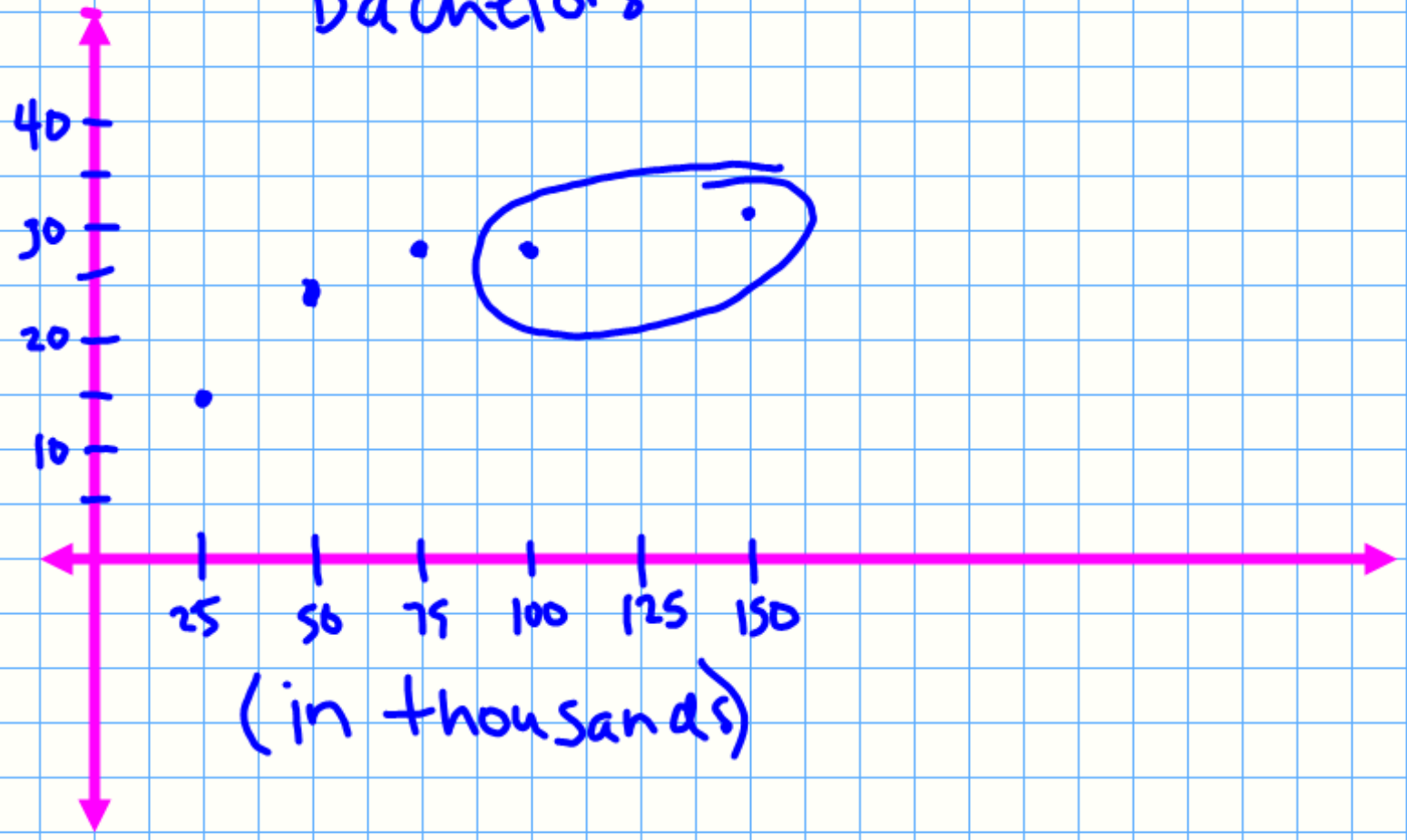
2.1 & 2.3 Notes.

2.1 Solving Linear Equations & Ineq.

Ex.1. Solve: $1239 + v \cdot 13.5 = 3186.8$

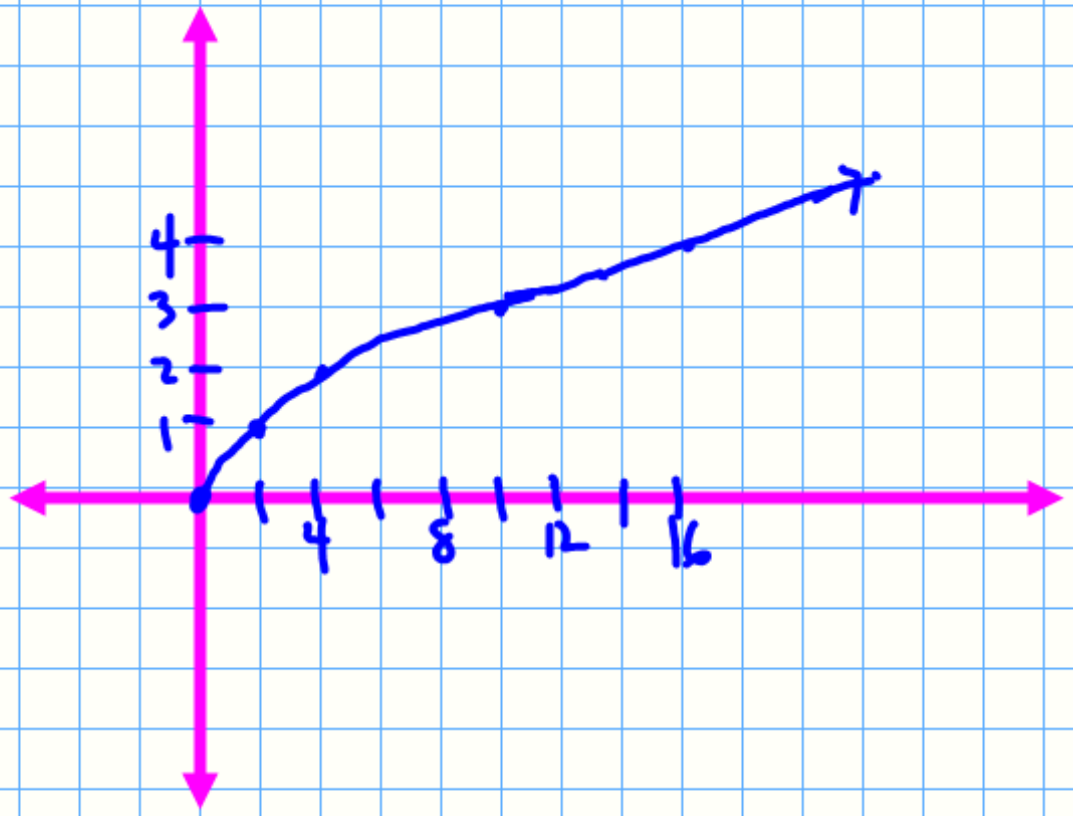
(8.) 35,000 - 40,000

Bachelors



19. $f(x) = \sqrt{x}$ $x \geq 0$

x	y
0	0
1	1
4	2
9	3
16	4



Ex.2. $5(4-7)=25$

$5(4-7)=25$

$5(4)-5(7)=25$

$20-35=25$

$+35 \quad +35$

$\frac{5y}{5} = \frac{60}{5}$

$y = 12$

Ex. 2 Vidant.

a 3

b -3

c 4.

d -4

$3(2-3p) = 42$

$6 - 9p = 42$

$-6 \quad -6$

$-9p = 36$

$\frac{-9p}{-9} = \frac{36}{-9}$

$p = -4$

Ex. 3 $6y + 21 + 7 = 4y - 20 + 5y$

$6y + 28 = 9y - 20$

$-6y \quad -6y$

$28 = 3y - 20$

$+20 \quad +20$

$\frac{48}{3} = \frac{3y}{3}$

$y = 16$

Unit ont 3.

a) 3

b) -3

c) 1

d) -1

$$3(w+7) - 5w = w + 12$$

$$3w + 21 - 5w = w + 12$$

$$-2w + 21 = w + 12$$

$$21 = 3w + 12$$

$$\frac{9}{-3} = \frac{3w}{3}$$

$$w = 3$$

Ex.4 $3x + 4x + 5 = 7x + 5$

$7x + 5 = 7x + 5$

$-7x \qquad -7x$

$5 = 5$ Infinite Solution

Identity

B

46. $8(4+7) = 6y - 8 + 2y$

$8y + 56 = 8y - 8$

$-8y \qquad -8y$

$56 \neq -8$ ∅ Empty

No Solution

Alg 1 Rev. Cont...

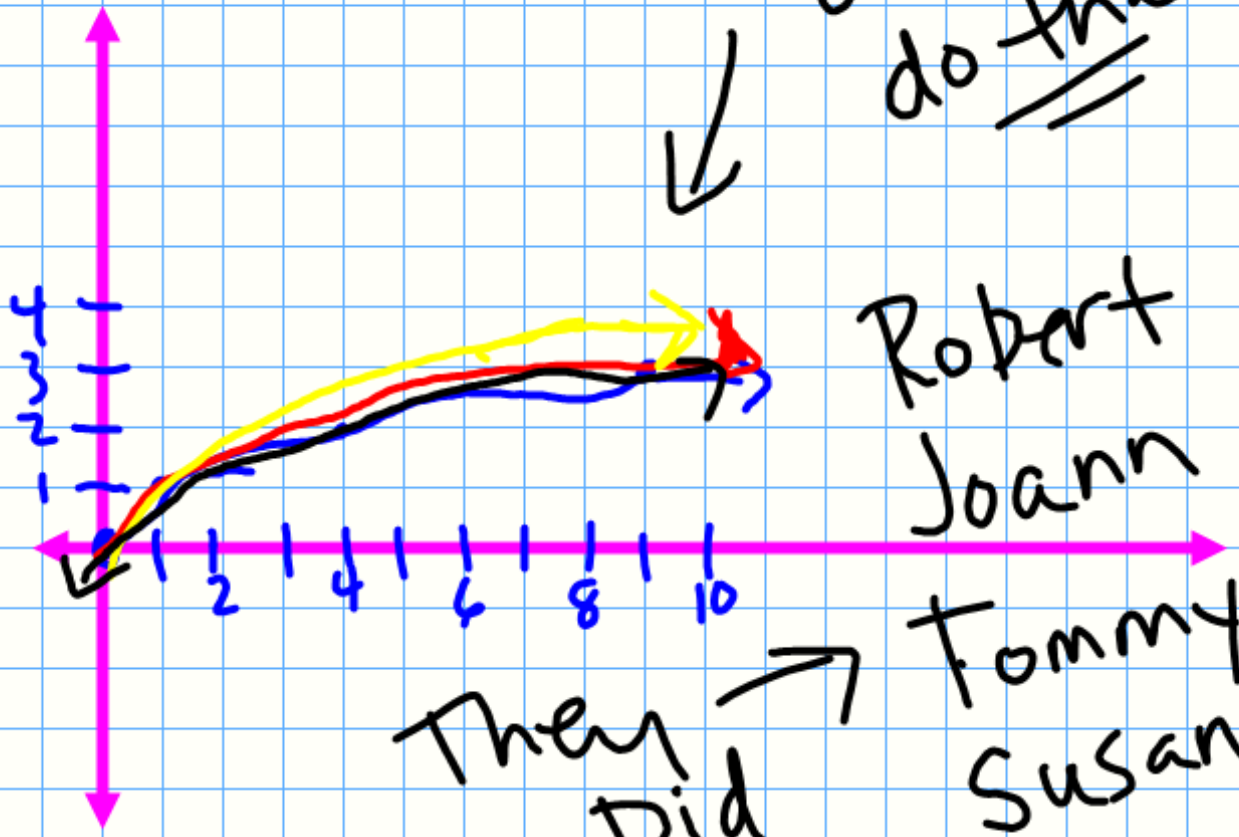
Sections 2.1 & 2.3

H.W. ?'s page 54 #18 & 19

19

$f(x) = \sqrt{x}$ $\quad x \geq 0$

x	y
0	0
1	1
4	2
9	3



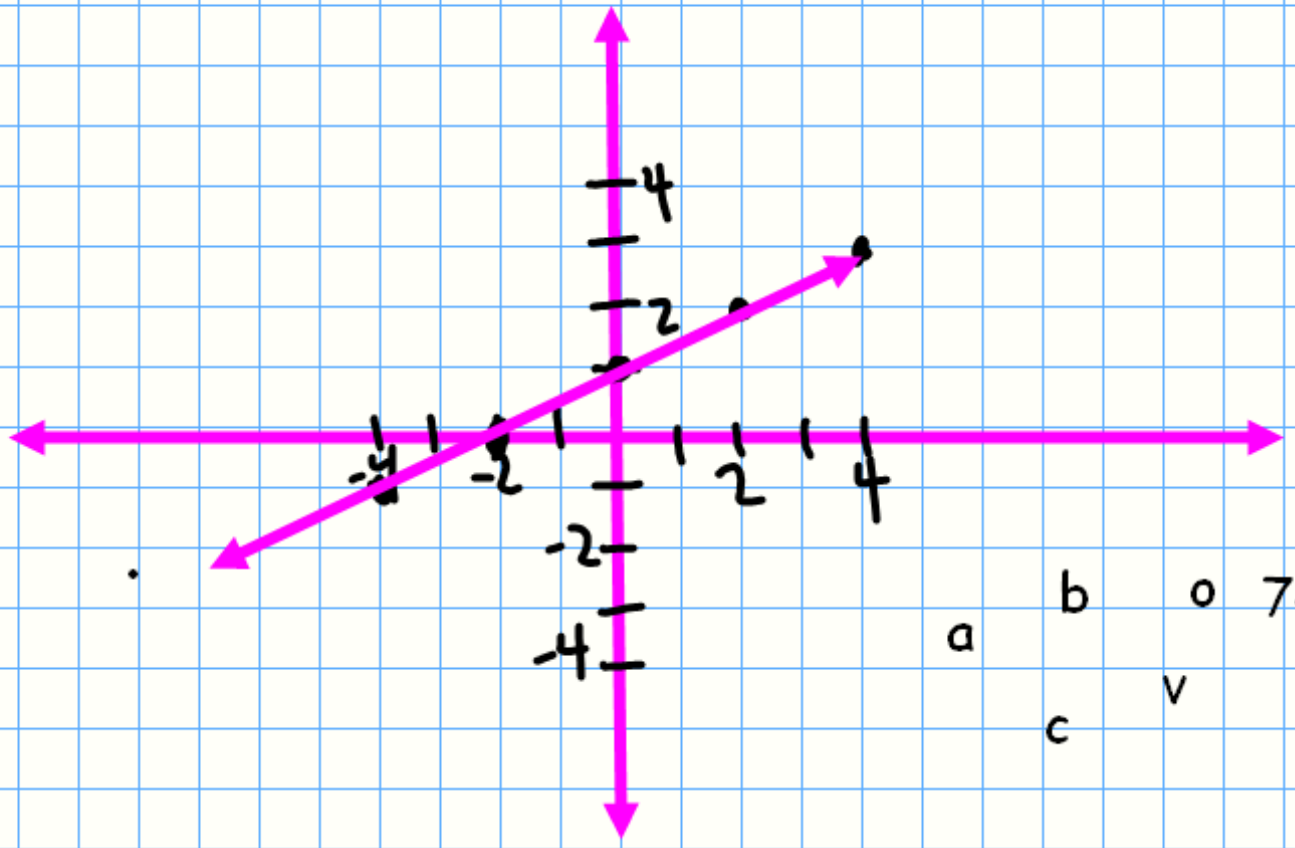
Mrs. Kemp did not do that!

Robert
Joann
Tommy
Susana

They Did

20. $f(x) = \frac{1}{2}x + 1 \qquad -6 < x < 6$

x	y
-4	-1
-2	0
0	1
2	2
4	3



a b o 7-j

c v

2.1 Solving Linear Equations & Inequalities

Ex.1 Solve $1239 + 13.5v = 3186.8$

Ex.2. $5(y-7) = 25$

$5y - 35 = 25$

$+35 \quad +35$

$\frac{5y}{5} = \frac{60}{5}$

Ex.3

$$6y + 21 + 7 = 4y - 20 + 5y$$

$$6y + 28 = 9y - 20$$

$$-6y \qquad -6y$$

$$28 = 3y - 20$$

$$+20 \qquad +20$$

$$48 = 3y$$

Ex. 4

a) $3x+4x+5=7x+5$

$7x+5=7x+5$

$-7x \quad -7x$

$5=5$

Identity

Infinite Solutions

b) $8(y+7)=6y-8+2y$

$8y+56=8y-8$

$-8y \quad -8y$

$56=-8$

$\emptyset$ Empty

No Solution

Ex. 5

$$6x + 2 \leq -4x + 3$$

$$+4x \qquad +4x$$

$$10x + 2 \leq 3$$

$$-2 \qquad -2$$

$$\frac{10x}{10} \leq \frac{1}{10}$$

$$x \leq \frac{1}{10}$$