

Alg. 1 Review Cont...

2.1 & 2.3 Notes.

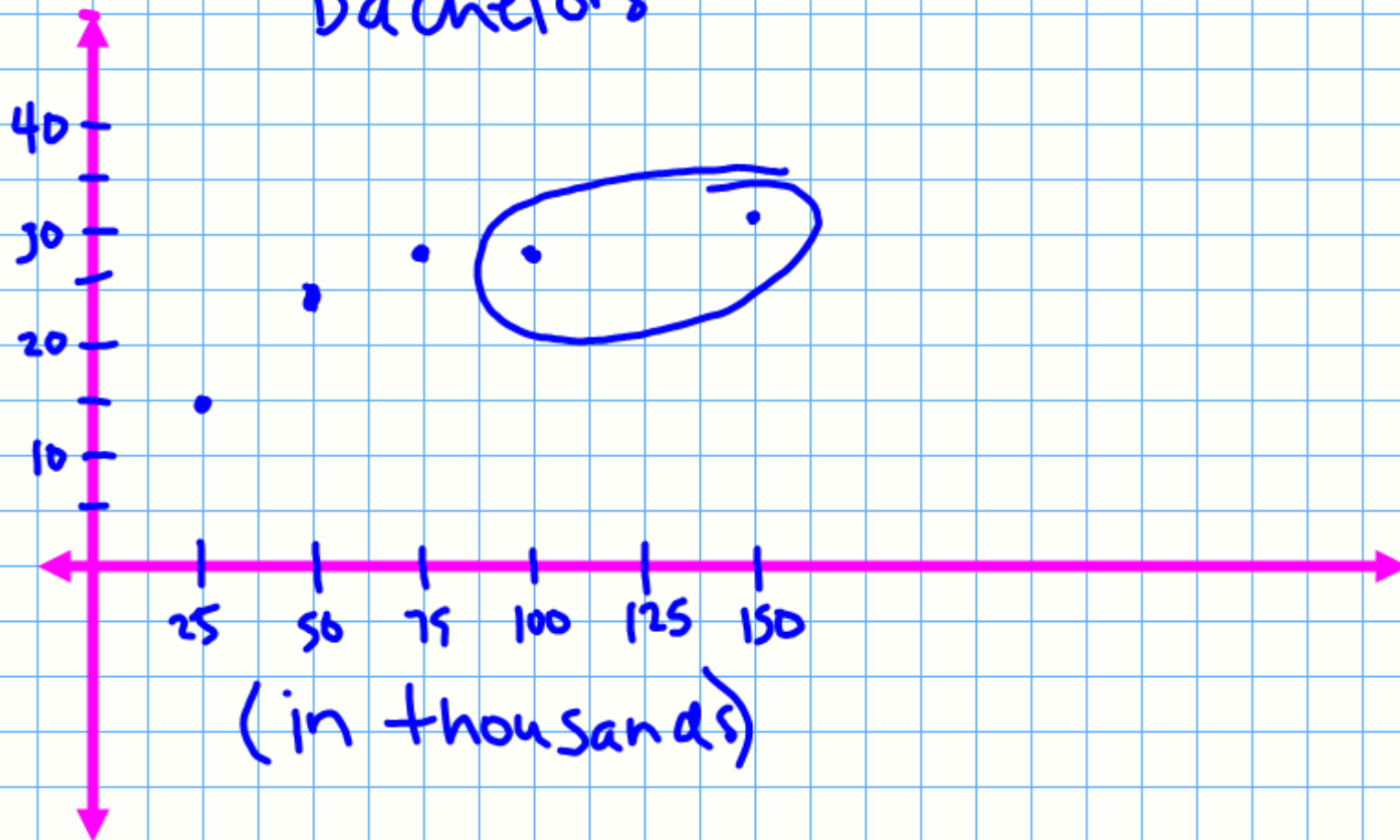
2.1 Solving Linear Equations & Ineq.

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

18.)

35,000 - 40,000

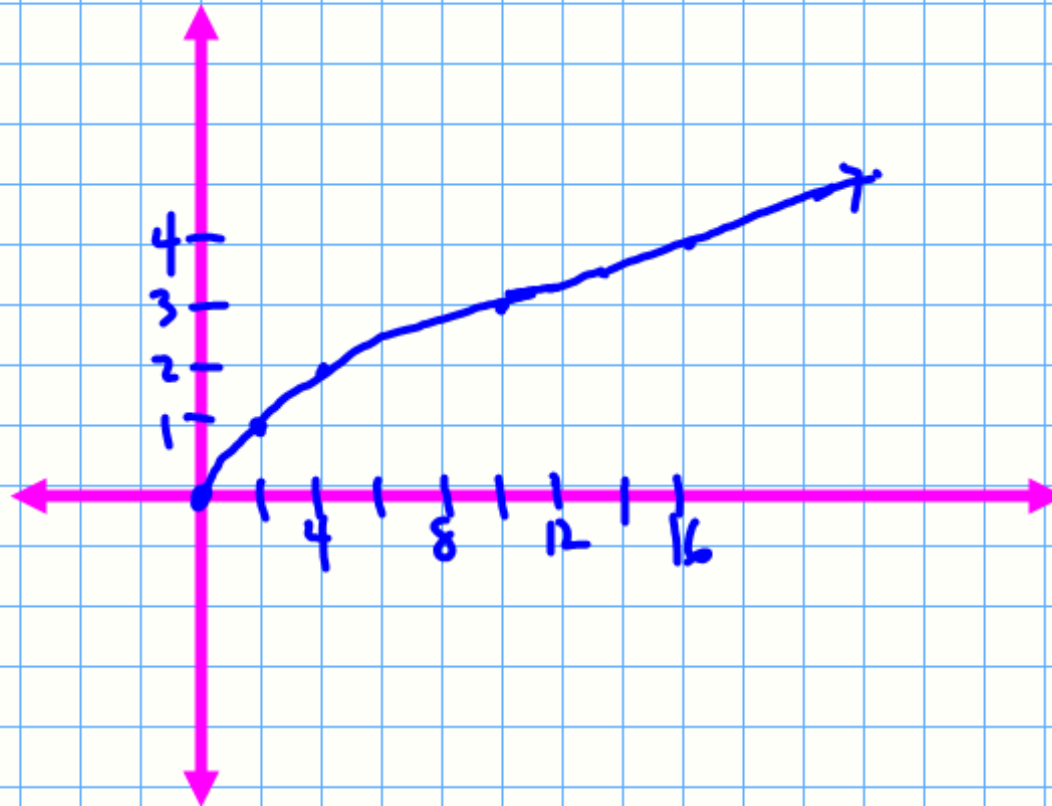
Bachelors



19.

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

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



Ex.2.

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

$$5y - 35 = 25$$

$$\begin{array}{r} +35 \quad +35 \\ \hline \end{array}$$

$$\begin{array}{r} 5y \\ \hline 5 \end{array} = \frac{40}{5}$$

$$y = 12$$

Ex. 2 \checkmark it out.

$$a \quad 3$$

$$b \quad -3$$

$$c \quad 4$$

$$d \quad -4$$

$$\overbrace{3(2-3p)} = 42$$

$$6 - 9p = 42$$

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

$$p = -4$$

Ex. 3

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

$$\begin{array}{r} \cancel{6y} + 28 \\ - \cancel{6y} \\ \hline \end{array} = \begin{array}{r} 9y - 20 \\ - 6y \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 20 \\ \hline \end{array} = \begin{array}{r} 3y - 20 \\ + 20 \\ \hline \end{array}$$

$$\frac{48}{3} = \frac{3y}{3} \quad \text{y} = 16$$

Unit out 3.

a) 3

b) -3

c) 1

d) -1

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

$$\underline{3w} + 21 - \underline{5w} = w + 12$$

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

$$21 = 3w + 12$$

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

$$w = 3$$

Ex.4 $\underline{3x} + \underline{4x} + 5 = 7x + 5$

$$\begin{array}{r} \cancel{7x} + 5 = \cancel{7x} + 5 \\ - \cancel{7x} \quad - \cancel{7x} \\ \hline \end{array}$$

$$5 = 5 \quad \text{Infinitie Solution}$$

Identity

(B)

$$4b. \quad \overbrace{8(y+7)} = \underline{\underline{6y}} - 8 + \underline{\underline{2y}}$$

$$\begin{array}{r} 8y + 56 = 8y - 8 \\ -8y \qquad \quad -8y \\ \hline \end{array}$$

$$56 \neq -8$$

\emptyset Empty

No Solution

Alg I Rev. Cont...

Sections 2.1 & 2.3

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

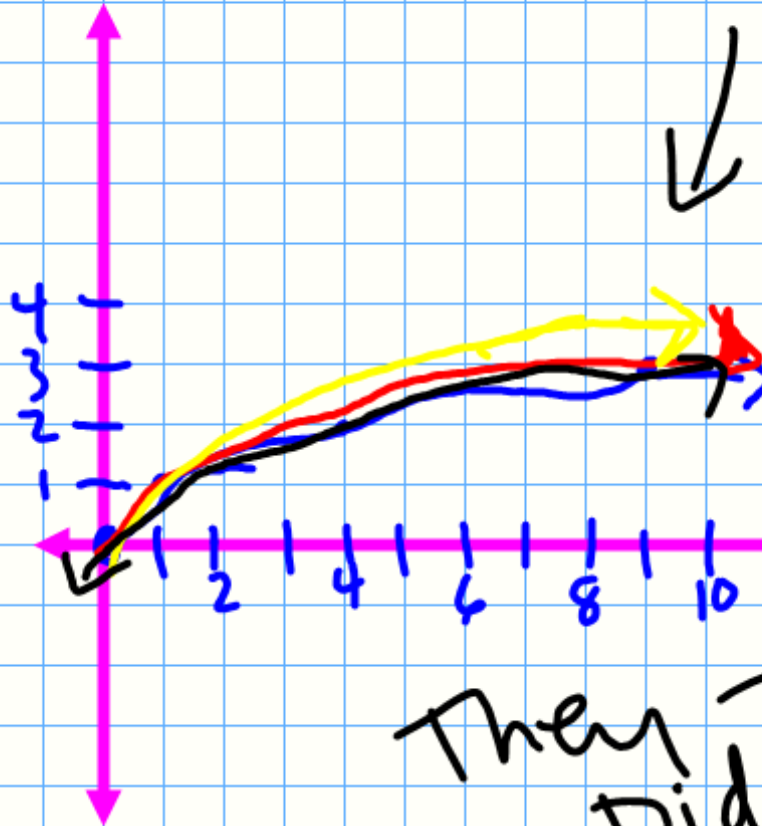
19

$$f(x) = \sqrt{x}$$

x	y
0	0
1	1
4	2
9	3

$$x \geq 0$$

Mrs. Kemp
did not
do that!

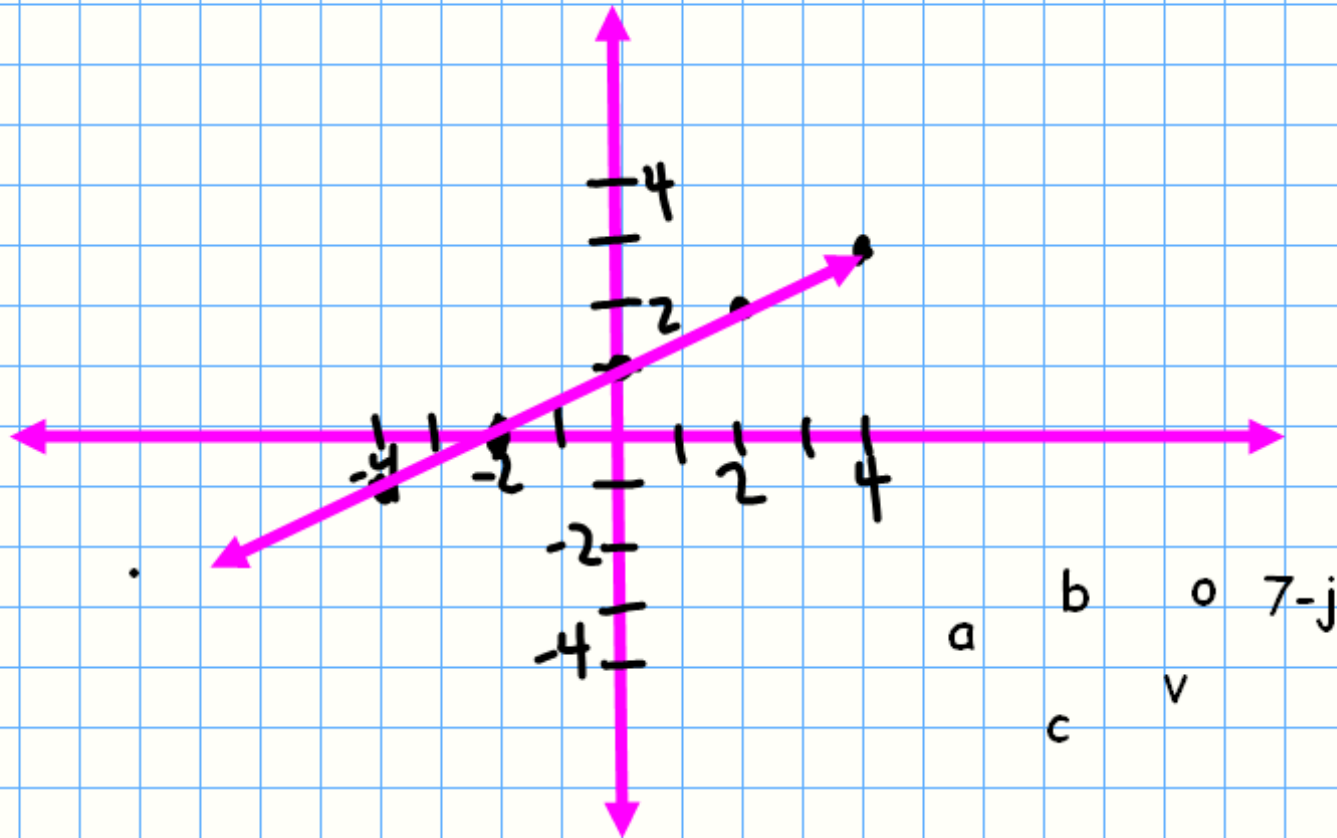


Robert
Joann
Tommy
Susana

They
Did

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

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. $5(y-7) = 25$

$$\begin{array}{r}
 5y - 35 = 25 \\
 \quad + 35 \quad \underline{+ 35} \\
 \hline
 5y = 60
 \end{array}$$

Ex.3

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

$$\begin{array}{r} \cancel{6y} + 28 \\ - \cancel{6y} \\ \hline \end{array} = \begin{array}{r} 9y - 20 \\ - 6y \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 20 \\ \hline 48 \end{array} = \begin{array}{r} 3y - 20 \\ + 20 \\ \hline 3y \end{array}$$

Ex. 4

$$\begin{array}{r}
 \text{a) } 3x + 4x + 5 = 7x + 5 \\
 7x + 5 = 7x + 5 \\
 \underline{-7x} \qquad \qquad \underline{-7x} \\
 5 = 5
 \end{array}$$

Identity
 Infinite Solutions

$$\begin{array}{r}
 \text{b) } 8(y+7) = 6y - 8 + 2y \\
 8y + 56 = 8y - 8 \\
 \underline{-8y} \qquad \qquad \underline{-8y} \\
 56 = -8
 \end{array}$$

\emptyset Empty
 No Solution

Ex.5

$$\begin{array}{r}
 6X + 2 \leq -4X + 3 \\
 +4X \qquad \qquad \qquad +4X \\
 \hline
 10X + 2 \leq 3 \\
 -2 \qquad \qquad \qquad -2
 \end{array}$$

$$\begin{array}{r}
 10X \leq 1 \\
 \hline
 X \leq \frac{1}{10}
 \end{array}$$