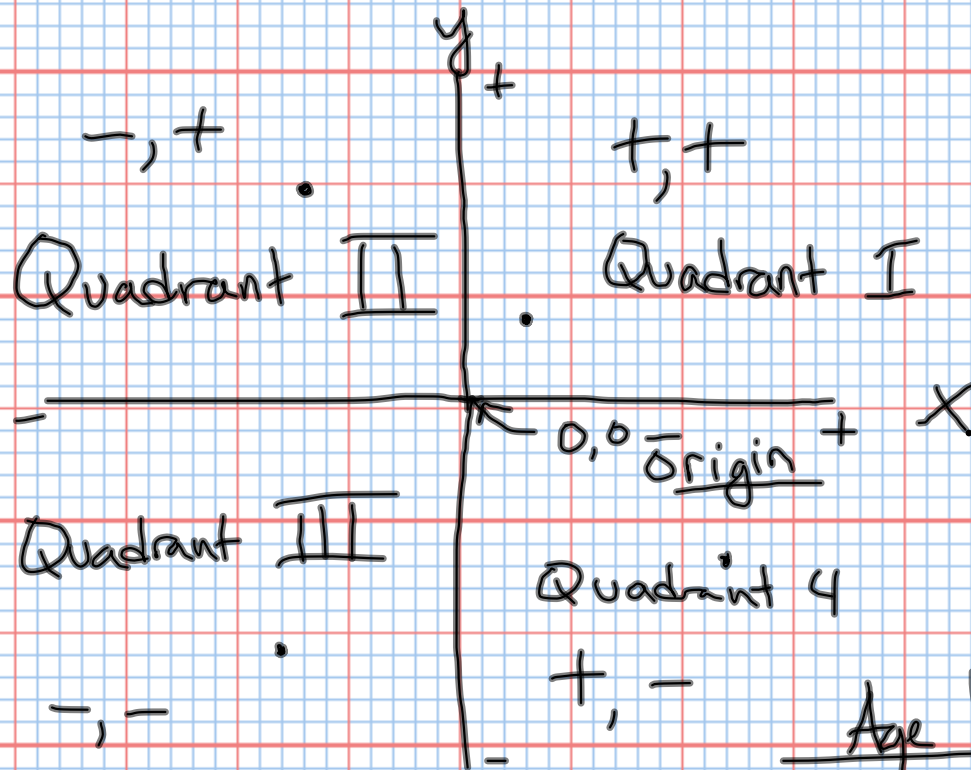


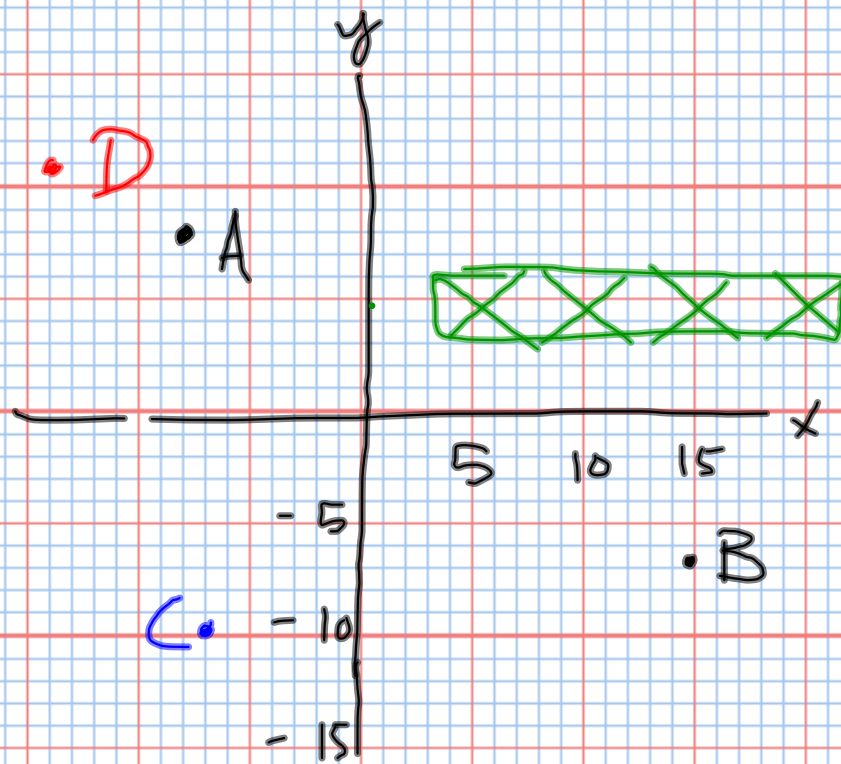
Coordinate Plane



$(3, 4)$
 $(-7, 10)$
 $(-8, -11)$
 $(12, -7)$

Age	IQ
131	150
172	141
121	170

Age	IQ
14	13
16	15
15	20



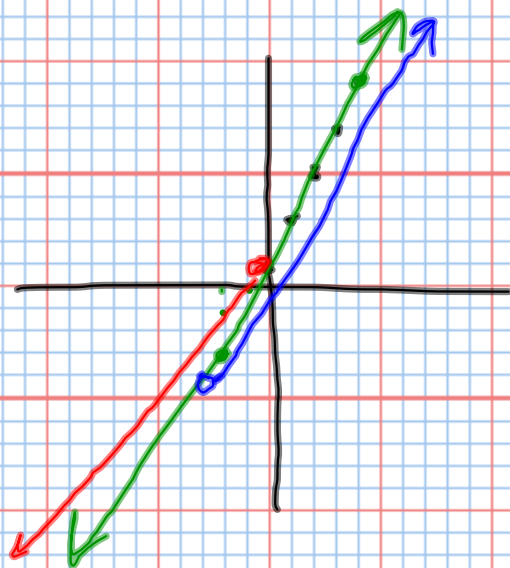
Angie

$$A = (-8, 8)$$

$$B = (15, -7)$$

$$C = (-7, -10)$$

$$D = (-14, 11)$$



$$y = mx + b$$

$$ax + by = c$$

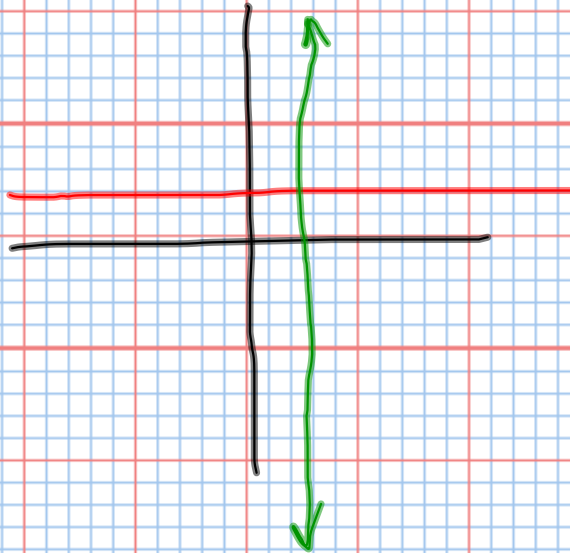
$y = 2x + 1$

$-2x + y = 1$

Linear equations -
these equations make
a line.

x	y
4	9
-2	-3

→ domain: all
numbers greater
than -3



$$0x + 4y = 8$$

$$4y = 8$$

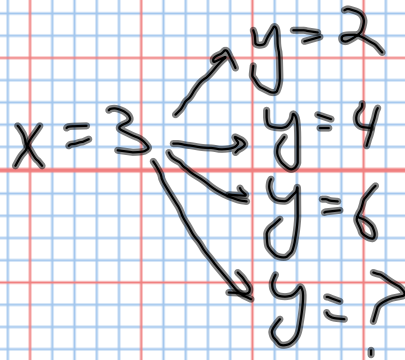
$y = 2$: horizontal line

$$3x + 0y = 9$$

$$3x = 9$$

$x = 3$: vertical line

NOT A FUNCTION



$$\boxed{4x + 3y = 7} - 4x$$

$-4x$

$$\frac{3y}{3} = \frac{7 - 4x}{3}$$

$$\boxed{y = \frac{1}{3}(7 - 4x)}$$

Homework:

p. 209 4-12 (even), 24, 28, 36

p. 219 4-16 (every 4th), 26, 36, 38