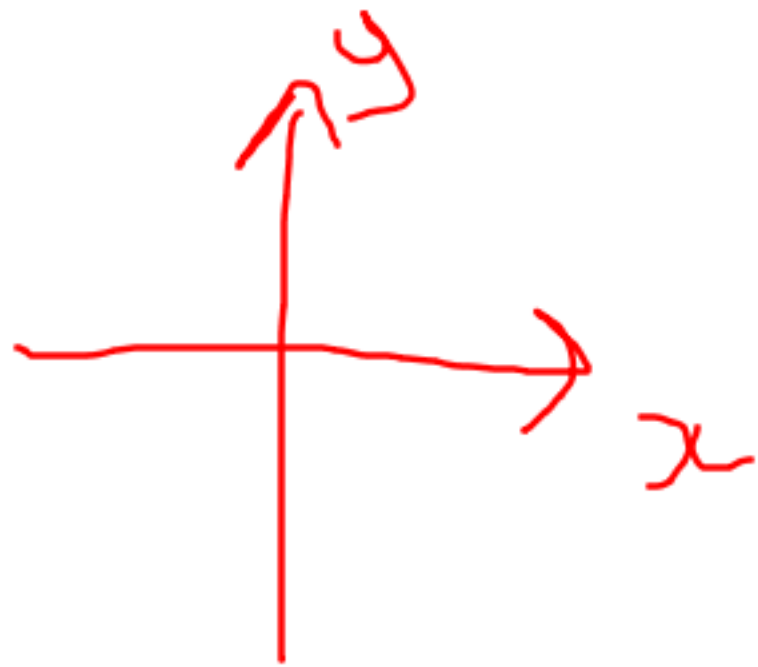


P. 243

April 17

2. a) $(2, 6)$

$(3, 9)$ $(5, 15)$ $(8, 24)$



Domain 2, 3, 5, 8
x-values

Range 6, 9, 15, 24
y-values

b) you multiply the domain by 3
to get the range

4. $(\overset{x}{4}, \overset{y}{9})$ $(5, 9)$ $(7, 9)$ $(21, 9)$

domain: 4, 5, 7, 21

range: 9

the domain can be any number,
but the range is limited to 9.

6. $x + y = 4$

x	y	
2	2	(2, 2)
1	3	(1, 3)
0	4	(0, 4)
-1	5	(-1, 5)
-2	6	(-2, 6)

a) the sum of the domain + range is 4.

Range 2, 3, 4, 5, 6

9. $S - t = 3$

The difference of the domain minus range is 3.

⁴ S	t
4	1 (4, 1)
3	0 (3, 0)
2	2 - (-1)
1	-1 (2, -1)
	-2 (1, -2)
0	-3 (0, -3)

Range: 1, 0, -1, -2, -3

10. $y = 4x + 2$ Four times the domain
plus 2 equals the range

x	y	
2	10	(2, 10)
1	6	(1, 6)
0	2	(0, 2)
-1	-2	(-1, -2)
-2	-6	(-2, -6)

Range: 10, 6, 2, -2, -6

13. $y = -x - 2$

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

$$\begin{aligned}
 & -(-4) - 2 \\
 & -(-3) - 2 \\
 & -(-2) - 2 \\
 & -(-1) - 2
 \end{aligned}$$

Negative times
the domain
minus 2 =
the range

Range 2, 1, 0, -1, -2

14.a) $x + y = 8$

(1, 7) c) (-5, 13) e) (10, -2)

15.a) $x - y = 2$

(5, 3) c) (-3, -5)

e) (2, 0)
$$\frac{-3 - (-5)}{-3 + 5}$$

16. $x + y = 11$

x	y
2	9
1	10
0	11
-1	12
-2	13

19. $y - 2x = 7$
 $2(-1) = 7$
 $-2 = 7$

x	y
2	-3
1	-5
0	-7
-1	-9
-2	-11

20.

x	y
1	8
2	7
3	6
4	5

$$x + y = 9$$

25.

Time(h)

Distance(km)

1	80	(1, 80)
2	160	(2, 160)
3	240	(3, 240)
4	320	(4, 320)
5	400	(5, 400)
6	480	(6, 480)



Distance: Speed times Time
 $D = St$

Homework box 1 p. 243-45