Warm Up Grade 8

Test in 4 days time

1) Find the missing value for the ordered pairs of $y = -3x - 5$

(show work)

a) (-2, ___)

x y

$y = -3x - 5$

$y = -3(-2) - 5$

$y = 6 - 5$

$y = 1$

$(-2, 1)$

b) (___, -38)

x y

$y = -3x - 5$

$-38 = -3x - 5$

$-38 + 5 = -3x - 5 + 5$

$-33 = -3x$

$\div(-3) \quad \div(-3)$

$+11 = x$

$(11, -38)$

Extra Practice 6

Lesson 6.6: Creating a Table of Values

1. Copy and complete each table of values.

a) $y = 3x + 7$

x	y
1	10
2	13
3	16
4	19
5	22

b) $y = 2x - 2$

x	y
1	0
2	2
3	4
4	6
5	8

c) $y = -5x + 4$

x	y
1	-1
2	-6
3	-11
4	-16
5	-21

2. Copy and complete each table of values.

a) $y = -x + 2$

x	y
–3	5
–2	4
–1	3
0	2
1	1
2	0
3	-1

b) $y = -4x - 5$

x	y
–3	7
–2	3
–1	-1
0	-5
1	-9
2	-13
3	-17

c) $y = 5x + 8$

x	y
–3	-7
–2	-2
–1	3
0	8
1	13
2	18
3	23

3. The equation of a linear relation is: $y = -7x + 10$
Some ordered pairs in the relation are:
(–1, 17), (0, 10), (1,), (2, -4), (, –11), (4,)
Find the missing numbers in the ordered pairs.

4. The cost of parking at the airport is $15 the first day, plus $6 for each additional day. An equation for this relation is
$C = 15 + 6a$, where a represents the number of additional days, and C represents the total cost of of the parking.
a) Use the equation to create a table of values.
b) Hank parked for 14 additional days. How much did Hank spend on parking?
c) Sentor spent $207 on parking. How many rides additional days did he park?

$C = 15 + 6a$

a)

additional days	Cost
0	15
1	21
2	27
3	33
4	39
5	45
6	51

b) $a = 14$

$C = 15 + 6a$
$= 15 + 6(14)$
$= 15 + 84$
$= 99$

Hank spent $99 on parking for 14 additional days

d) $C = 15 + 6a$
$207 = 15 + 6a$
$207 - 15 = 15 - 15 + 6a$
$\frac{192}{6} = \frac{6a}{6}$
$32 = a$

If Sentor spent $207 on parking then he had 32 additional days.

Ex 1)

Graph $y = -3x + 7$

a) Create a table of values

b) Graph the relation

c) Describe the relations

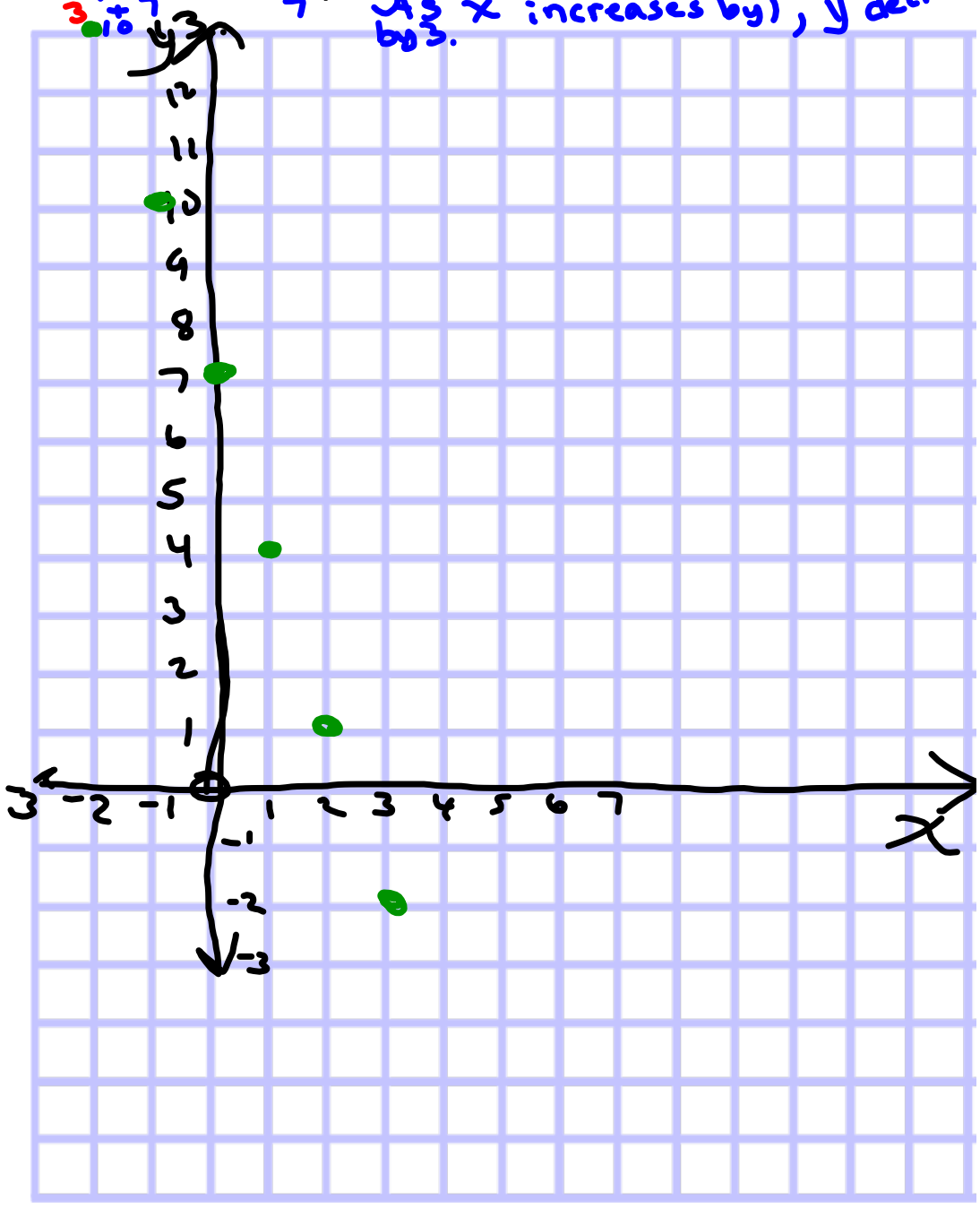
$x = -2$: $y = -3x + 7$, $y = -3(-2) + 7$, $6 + 7$, 13

$x = -1$: $y = -3x + 7$, $-3(-1) + 7$, $3 + 7$, 10

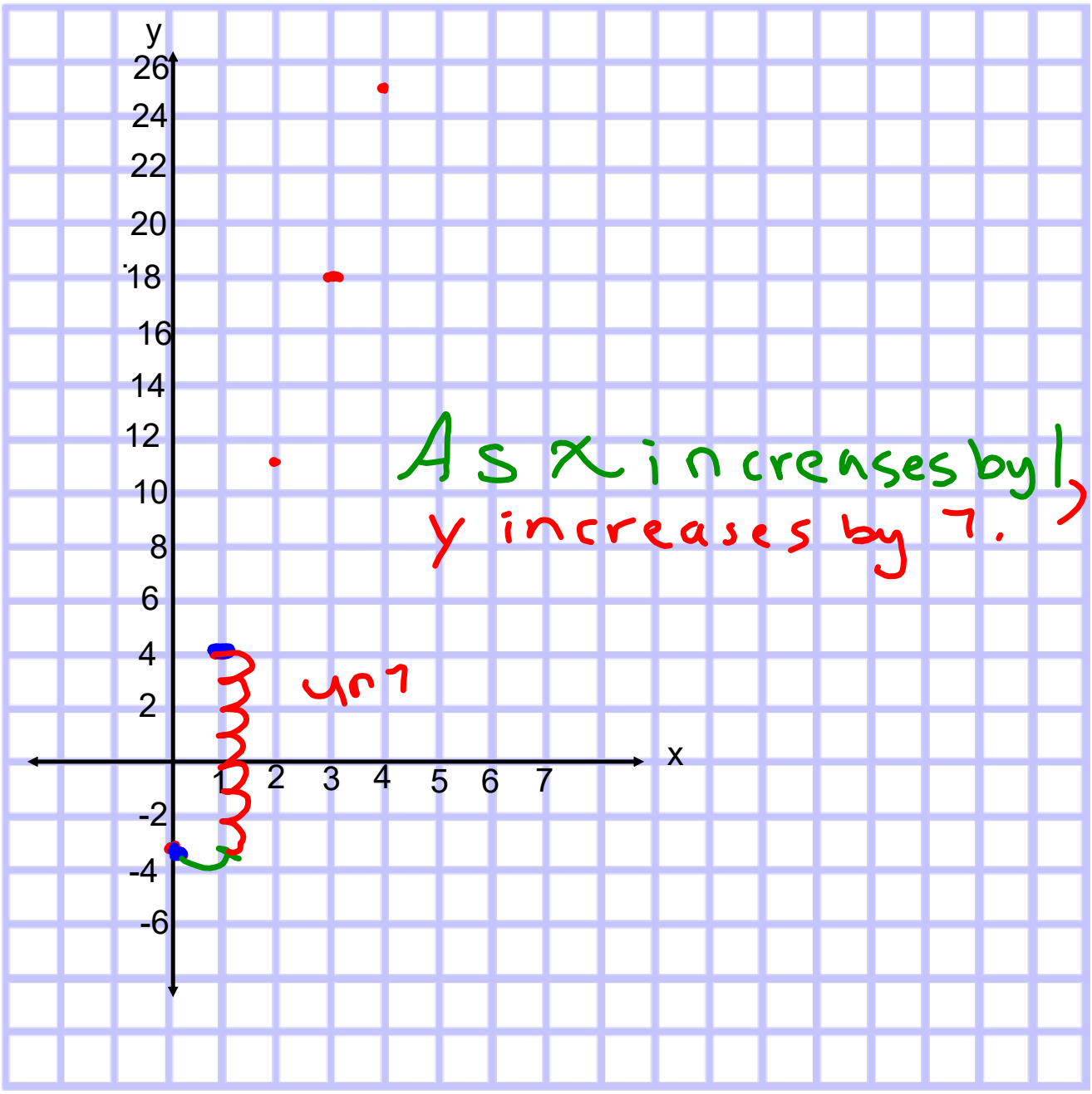
$x = 0$: $y = -3x + 7$, $-3(0) + 7$, 7

As x increases by 1, y decreases by 3.

x	y
-2	13
-1	10
0	7
1	4
2	1
3	-2



Describe the relationship between the variables in the graph y = 7x - 3.



Oct 17

Class/Homework

Test Friday Oct. 21

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graph

Read graph

Solve showwork

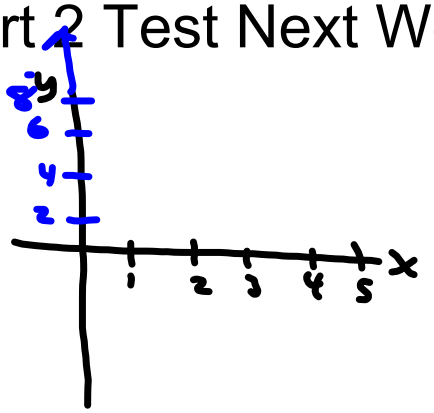
graph

4, #5(a,~~b~~,~~c~~,g), #6(a,~~b~~,c,~~d~~), #7, #8, #9, ~~#10~~

5a) $y=2x$

x	y	
0	0	2(0)
1	2	2(1)
2	4	2(2)
3		
4		
5		

Part 2 Test Next Week



8)

x	y
-3	13
-2	$\boxed{7}$
-1	1
0	-5
1	-11
2	-17
3	-23

clock