

More With Tables: Classwork (4th Period)

1. Each of the tables represents a linear relationship. Write an equation for each. Show your work!

a.

x	y
-1	6
5	30
6	34

b.

x	y
-10	42
4	7
12	-13

c.

x	y
-5	-3
7	15
9	18

2. Use the linear relationship shown in the table to answer the following.

a. Write an equation for the table. Show your work.

Number of Days	Number of Songs
8	314
12	326
16	338
20	350

b. Write a story to match the table, then title the table.

3. Use the linear relationship shown in the table to answer the following.

a. Write an equation for the table. Show your work.

Hours	Temperature (°C)
6	-2
8	-3
10	-4
12	-5

b. Write a story to match the table, then title the table.

4. Use the linear relationship shown in the table to answer the following.

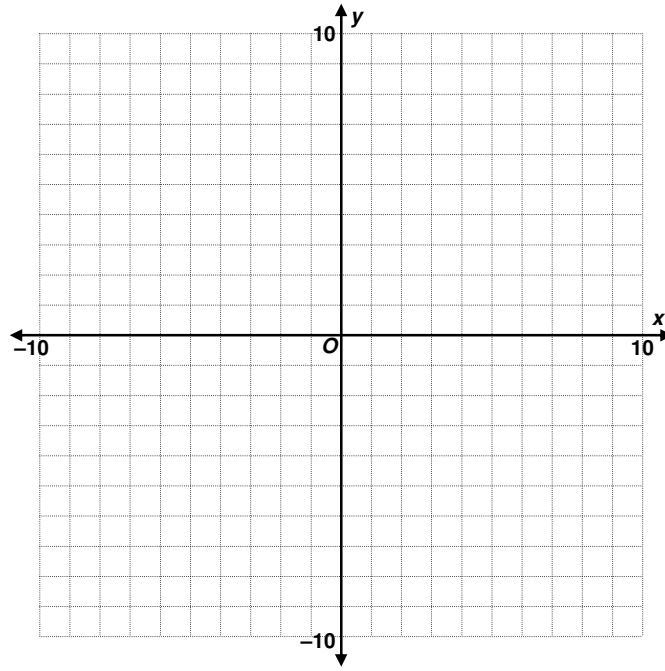
a. Write an equation for the table. Show your work.

Weeks	Money Left
1	141
5	53
8	-13
11	-79

b. Write a story to match the table, then title the table.

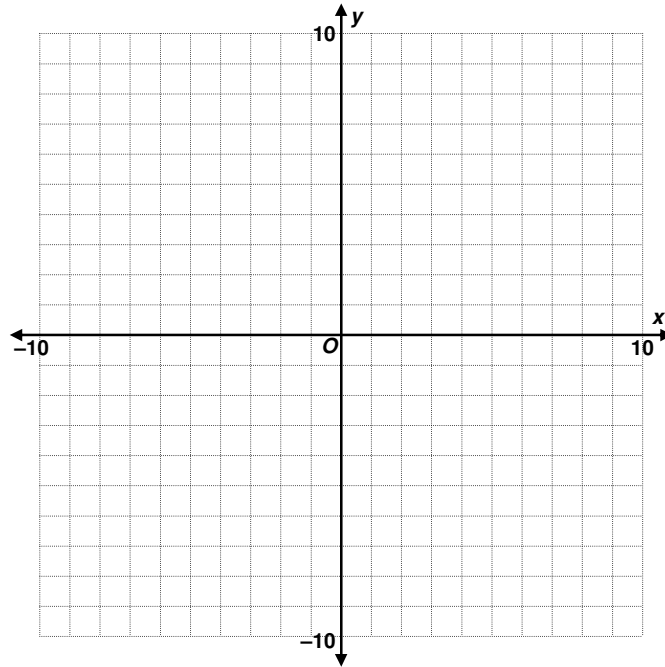
5. Is the table below linear?
Prove it in two ways!

x	y
-9	5
-3	3
3	1
6	0



6. Is the table below linear?
Prove it in two ways!

x	y
-10	-3
-1	3
2	5
8	9



7. Write an equation for the line through the given points. You must show your work.
Hint: make a table to find the slope and y-intercept!

a. (2, 30) and (3, 35)

b. (5, -2) and (6, 1)

c. (3, 3) and (9, -1)

d. (40, 39) and (48, 49)