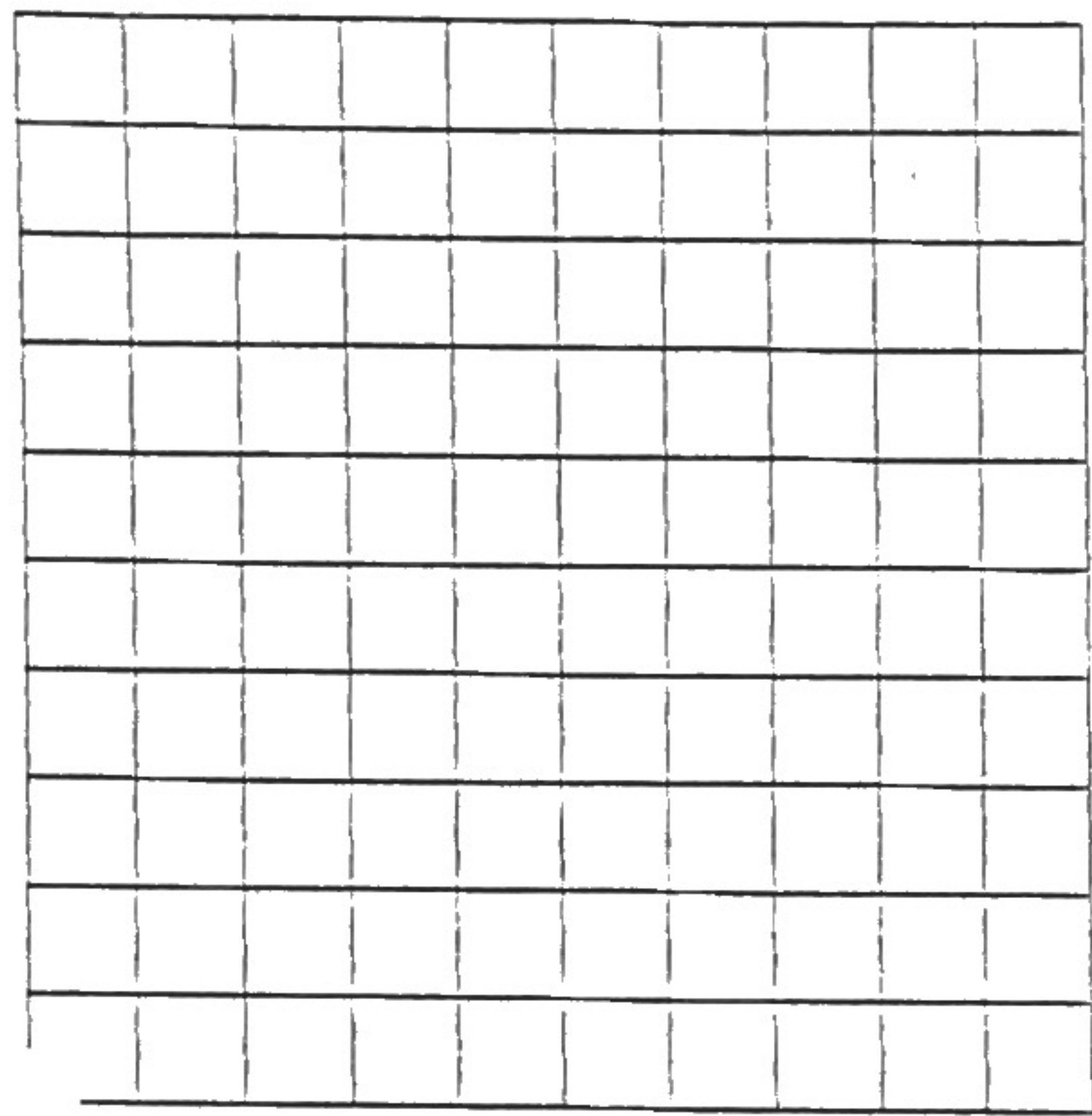


Graphing Linear Equations Worksheet

Make a table and a graph for each equation.

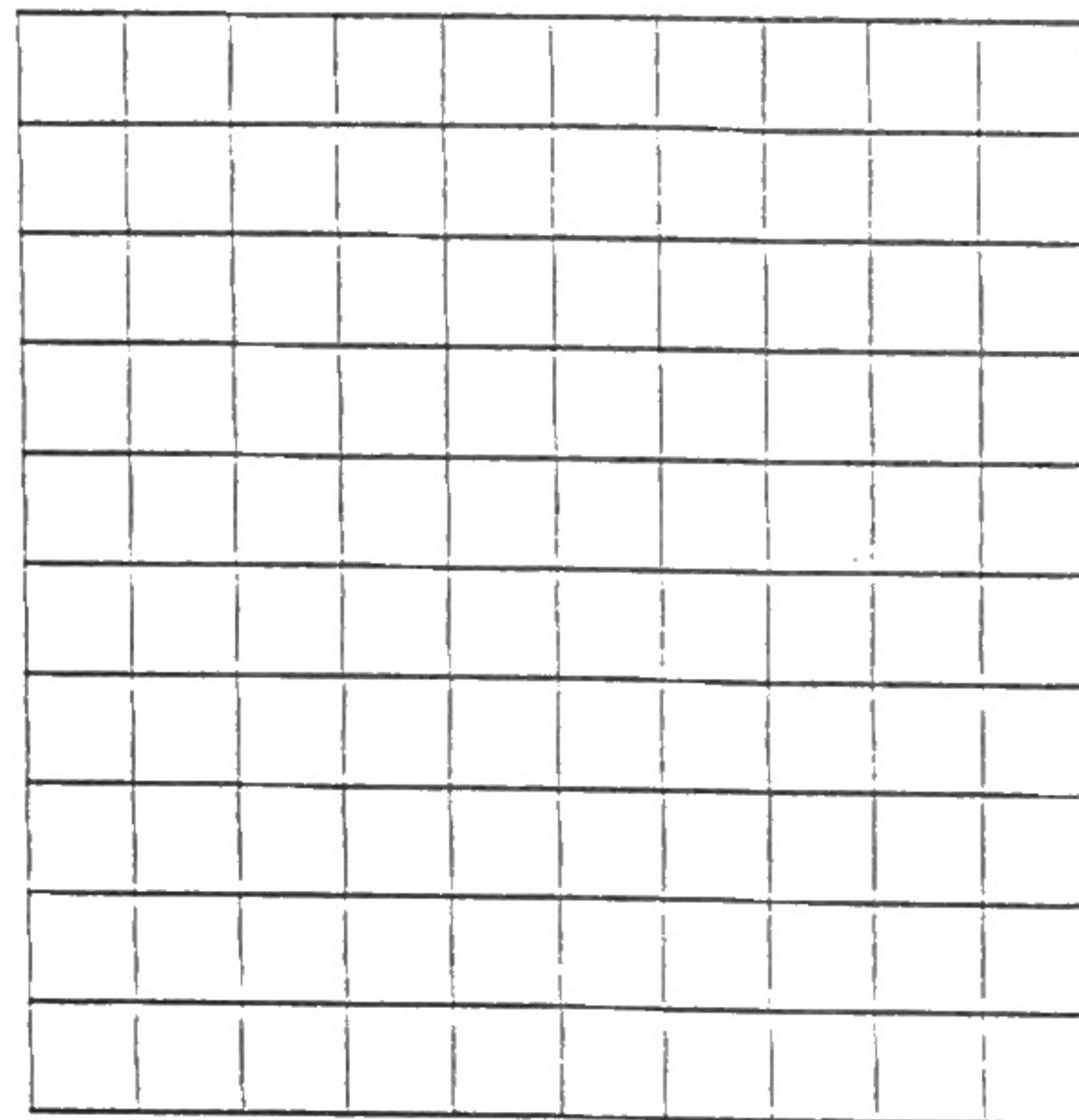
1) $y = 3x - 4$

x	y
-2	
-1	
0	
1	
2	



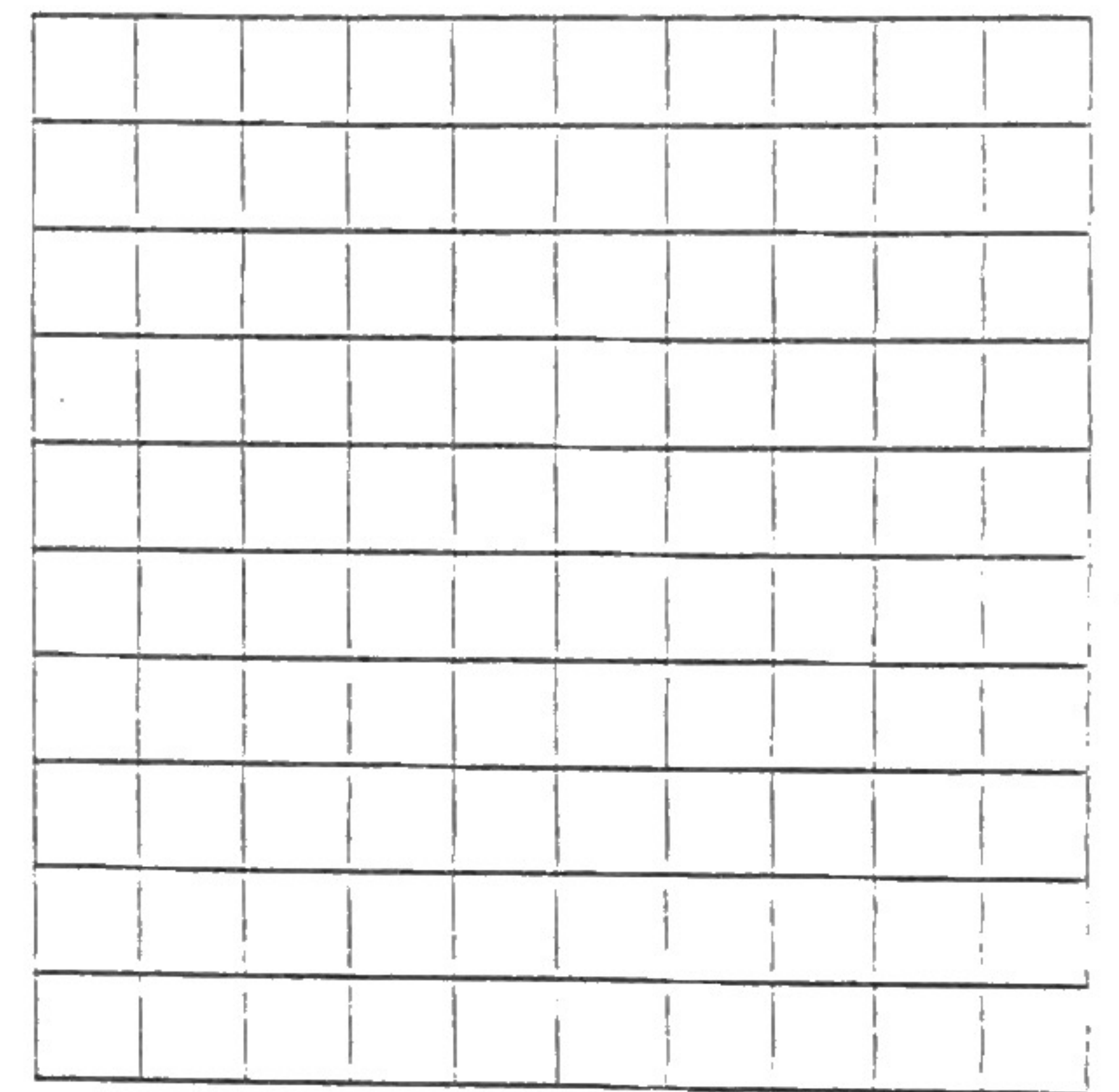
2) $y = \frac{1}{2}x$

x	y
-2	
-1	
0	
1	
2	



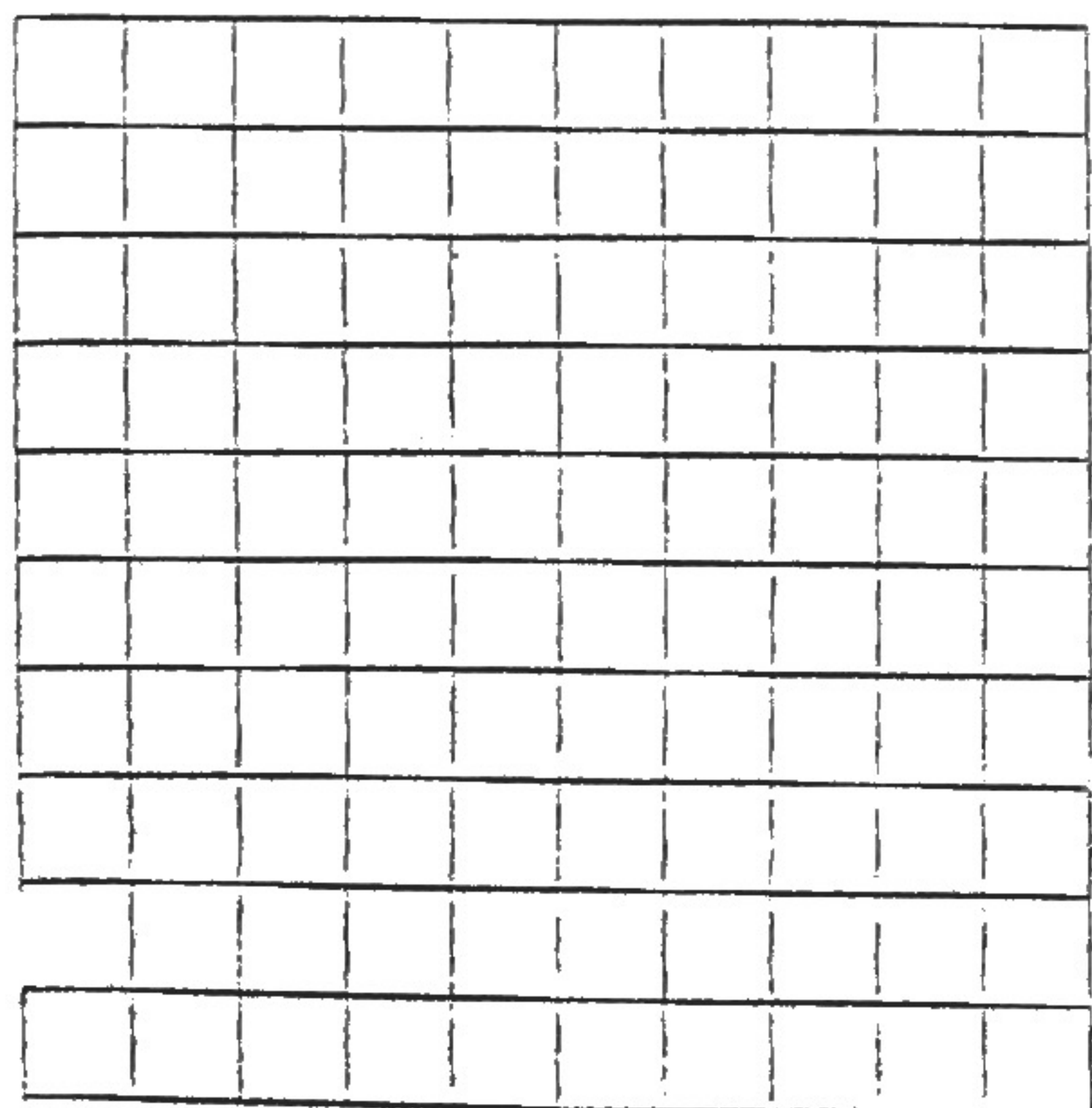
3) $y = x + 1$

x	y
-2	
-1	
0	
1	
2	



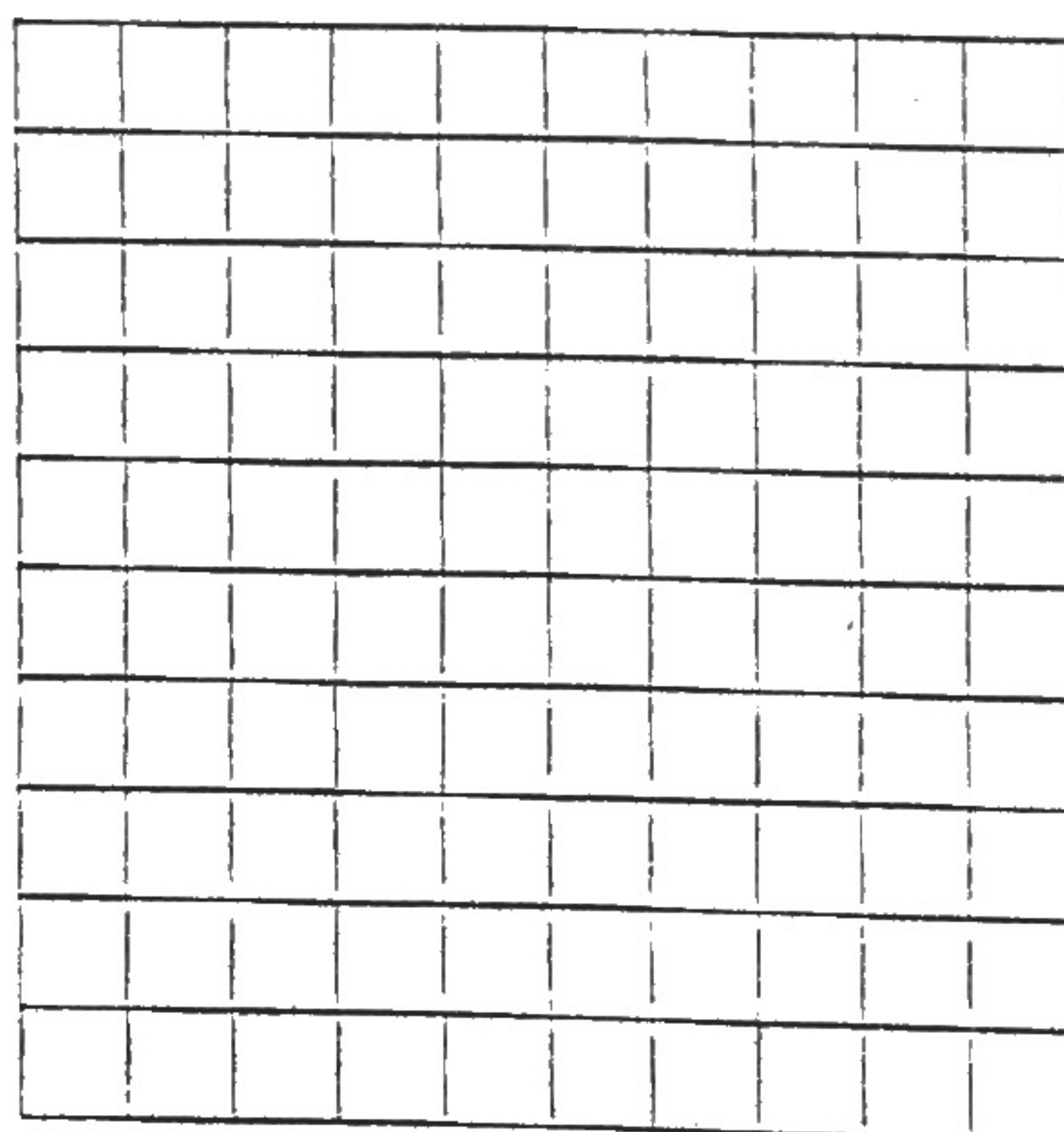
4) $y = -3x$

x	y
-2	
-1	
0	
1	
2	



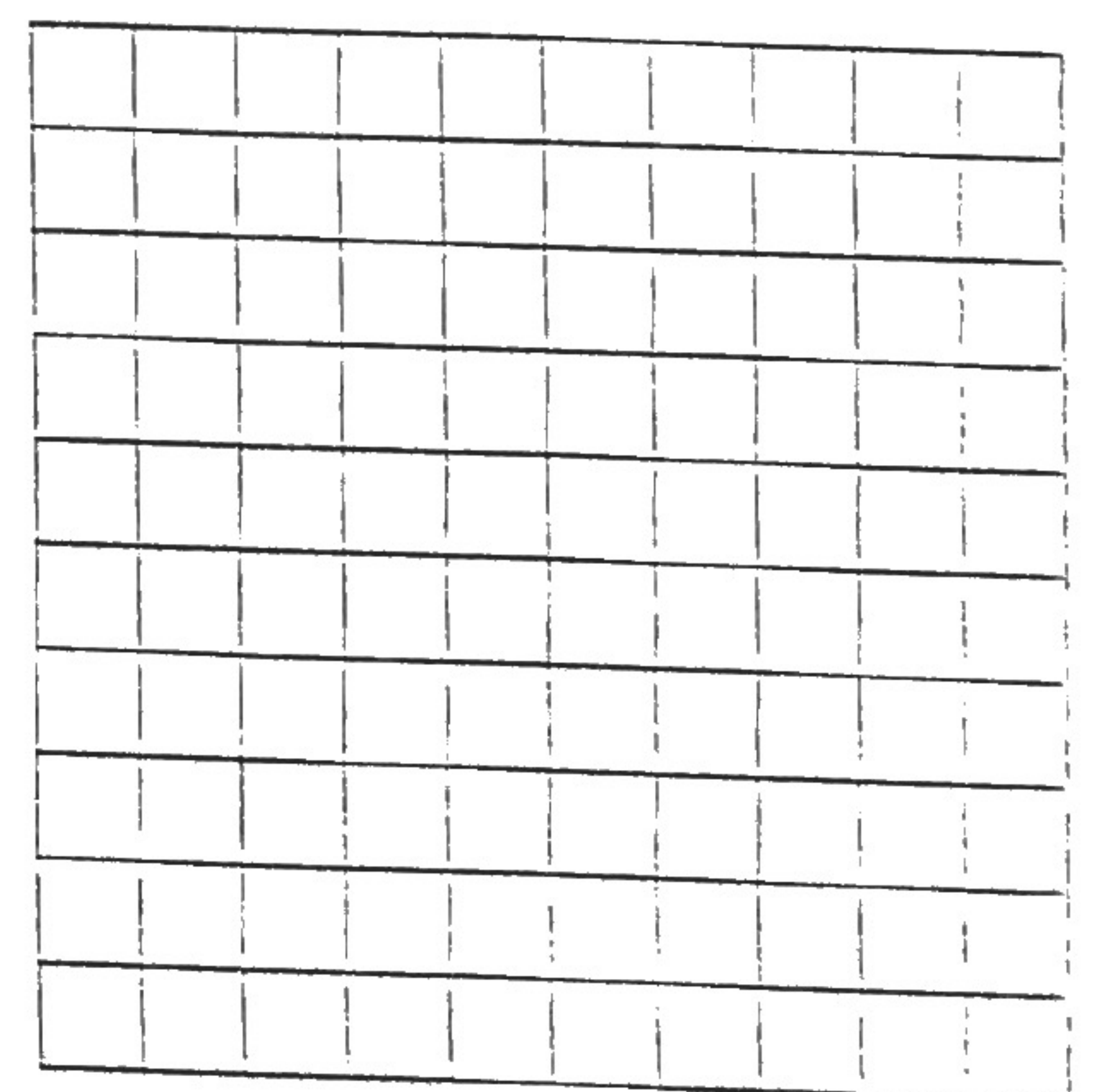
5) $y = \frac{1}{4}x - 1$

x	y
-8	
-4	
0	
4	
8	



6) $y = -5$

x	y
-2	
-1	
0	
1	
2	



Determine whether each ordered pair is a solution of $y = 4 + 2x$.

7) (1, 1)

8) (2, 8)

9) (0, 4)

10) (8, 2)

Determine whether each ordered pair is a solution of $y = 3x - 2$.

11) (1, 1)

12) (3, 7)

13) (5, 15)

14) (6, 16)

Complete the tables.

15) $y = x + 5$

x	work	y
-2		
-1		
0		
1		
2		

16) $y = 4x$

x	work	y
-2		
-1		
0		
1		
2		

17) $y = 3x + 6$

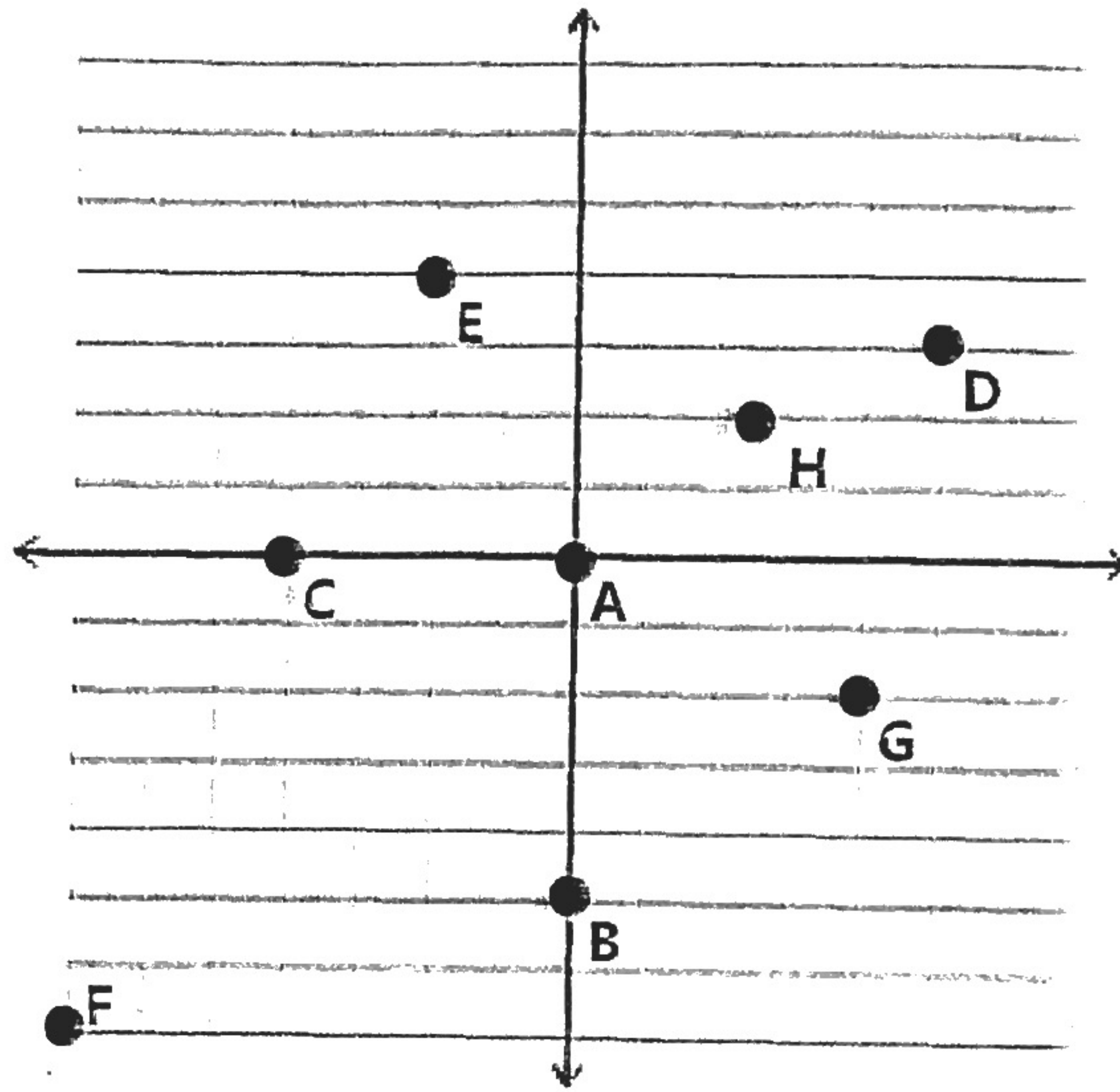
x	work	y
-2		
-1		
0		
1		
2		

18) Alexis opened a savings account with a \$120 deposit. Each week she will put \$20 into the account. The equation that gives the total amount "t" in her account is $t = 120 + 20w$, where "w" is the number of weeks since she opened the account. Write an ordered pair (w, t) for how much money Alexis will have in her savings account after:

a. 5 weeks?

b. 9 weeks?

c. 3 months?



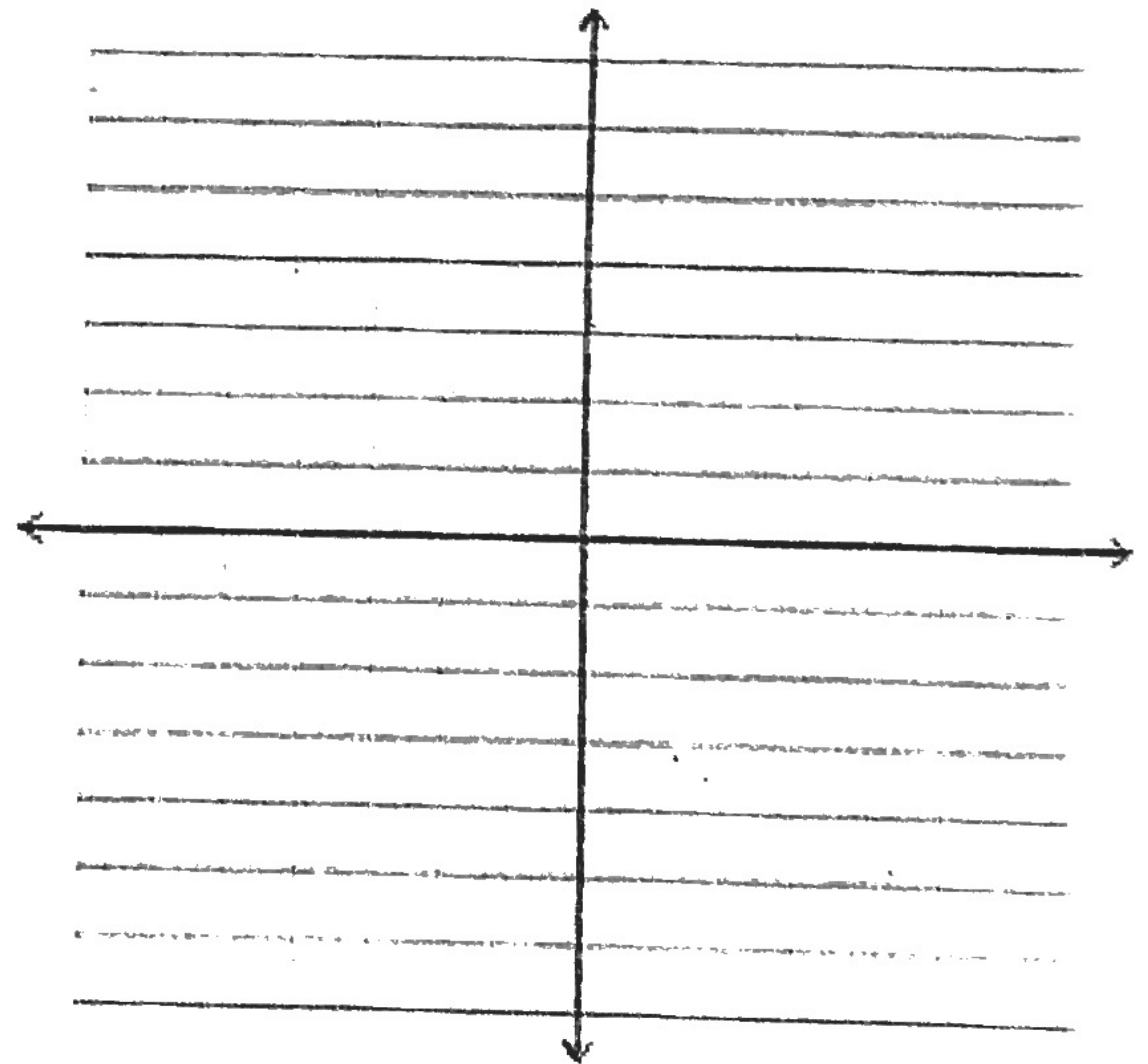
Write the coordinate point that corresponds with the letter and the part of the coordinate plane the point is on.

A: _____; _____
 B: _____; _____
 C: _____; _____
 D: _____; _____

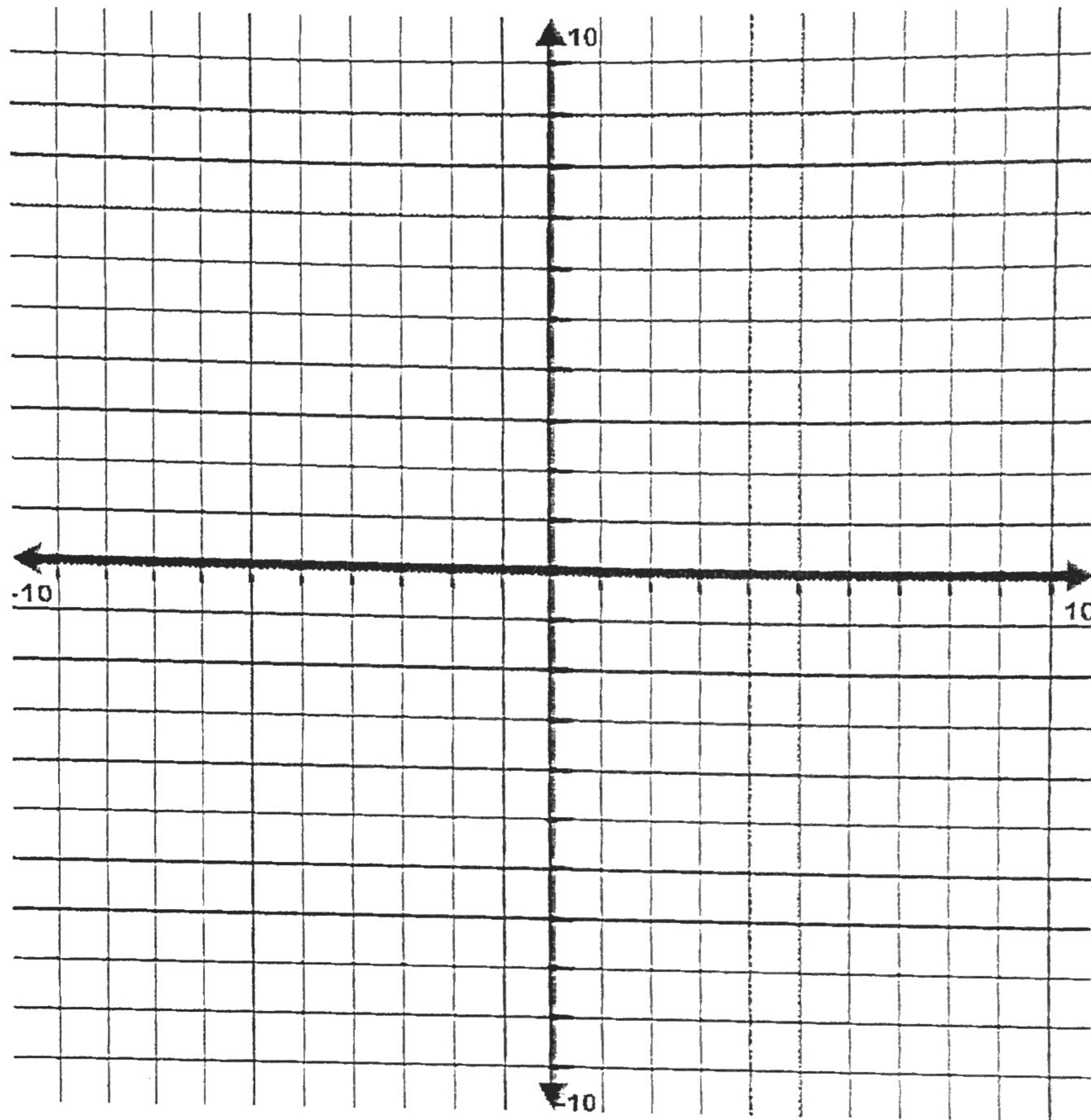
E: _____; _____
 F: _____; _____
 G: _____; _____
 H: _____; _____

Graph the points $(-3, 1)$, $(-3, -5)$, $(3, 1)$, and $(3, -5)$.

- What type of quadrilateral do the vertices form?
- What is the perimeter of the figure?
- What is the area of the figure?



There is a picture hidden in this grid. Connect the points in order to reveal it.



Line 1:

(0, -5)
(0, -10)

Line 2:

(0, 10)
(-2, 3)
(-10, 3)
(-4, -2)
(-7, -10)
(0, -5)
(7, -10)
(4, -2)
(10, 3)
(2, 3)
(0, 10)

Line 3:

(-2, 3)
(-8, 10)

Line 4:

(-10, -3)
(-4, -2)

Line 5:

(10, -3)
(4, -2)

Line 6:

(0, 6)
(-1, 2)
(-6, 2)
(-2, -1)
(-4, -6)
(0, -3)
(4, -6)
(2, -1)
(6, 2)
(1, 2)
(0, 6)

Line 7:

(2, 3)
(8, 10)