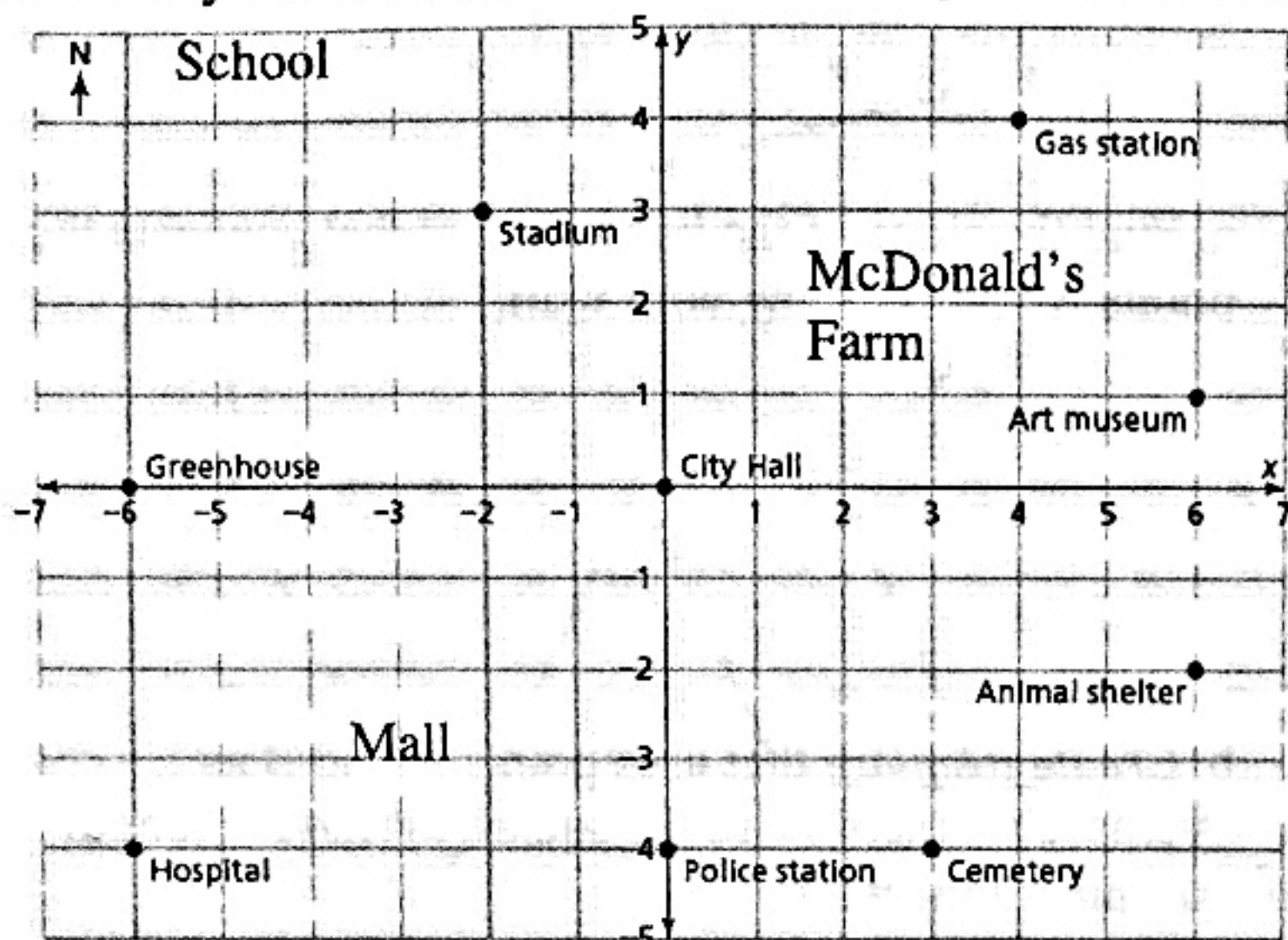


1. Identify the indicated location in the city of Euclid with the correct coordinate.



a. School: _____

b. Mall: _____

c. McDonald's: _____
 Farm

2. What are the equations for the two streets that meet at the Hospital? Street 1: _____

Street 2: _____

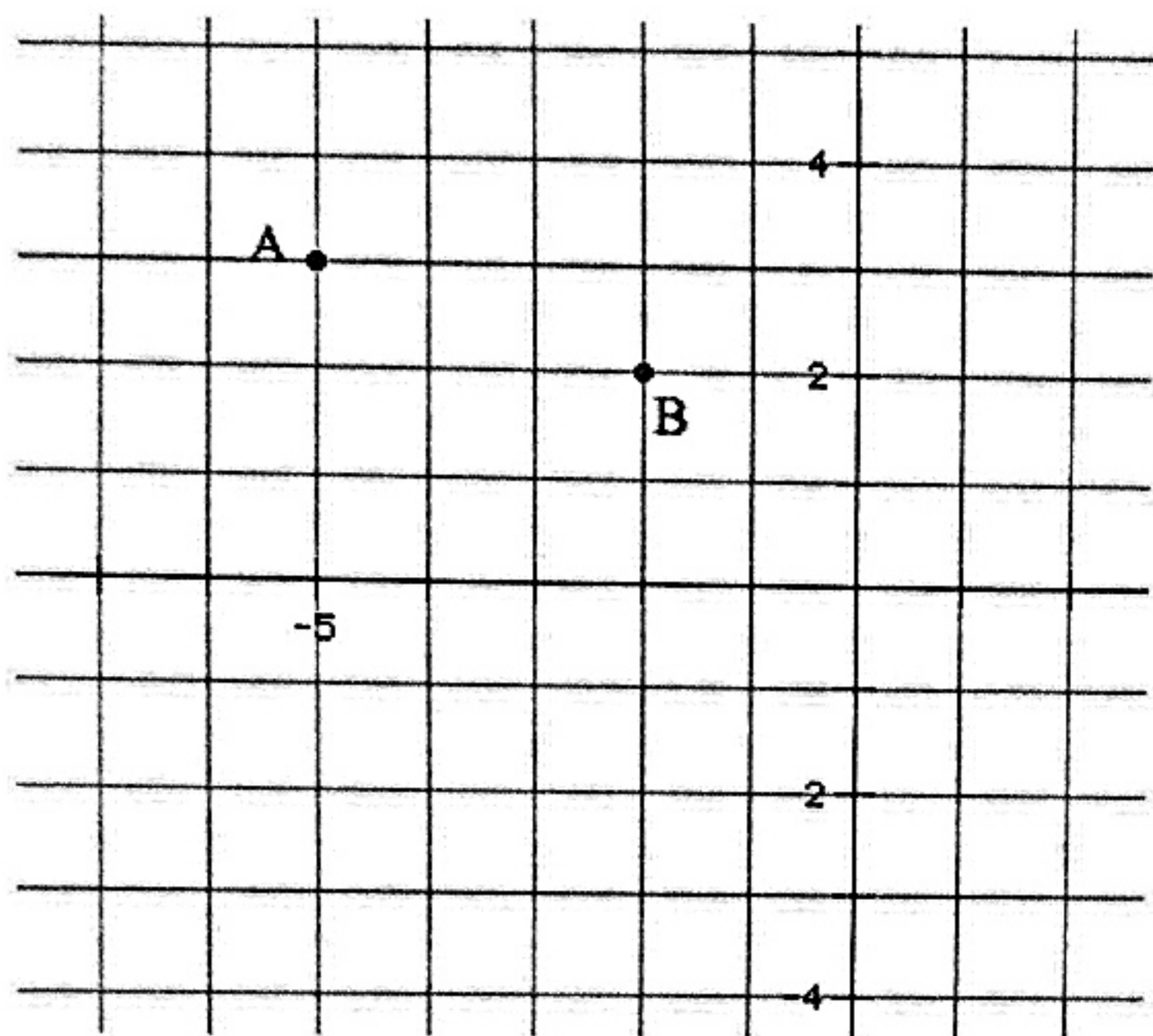
3. What is the equation for the line that goes *vertical* (straight up and down) and also goes through the point (-3, 8)?

4. What is the equation for the line that goes *horizontal* (straight side to side) and also goes through the point (5, -7)?

5. Find the distance between the Stadium and City Hall if you travel there in a car and stay on the streets.

6. Find the distance between the Stadium and City Hall if you travel there in a helicopter. (Find the exact distance, not an approximation)

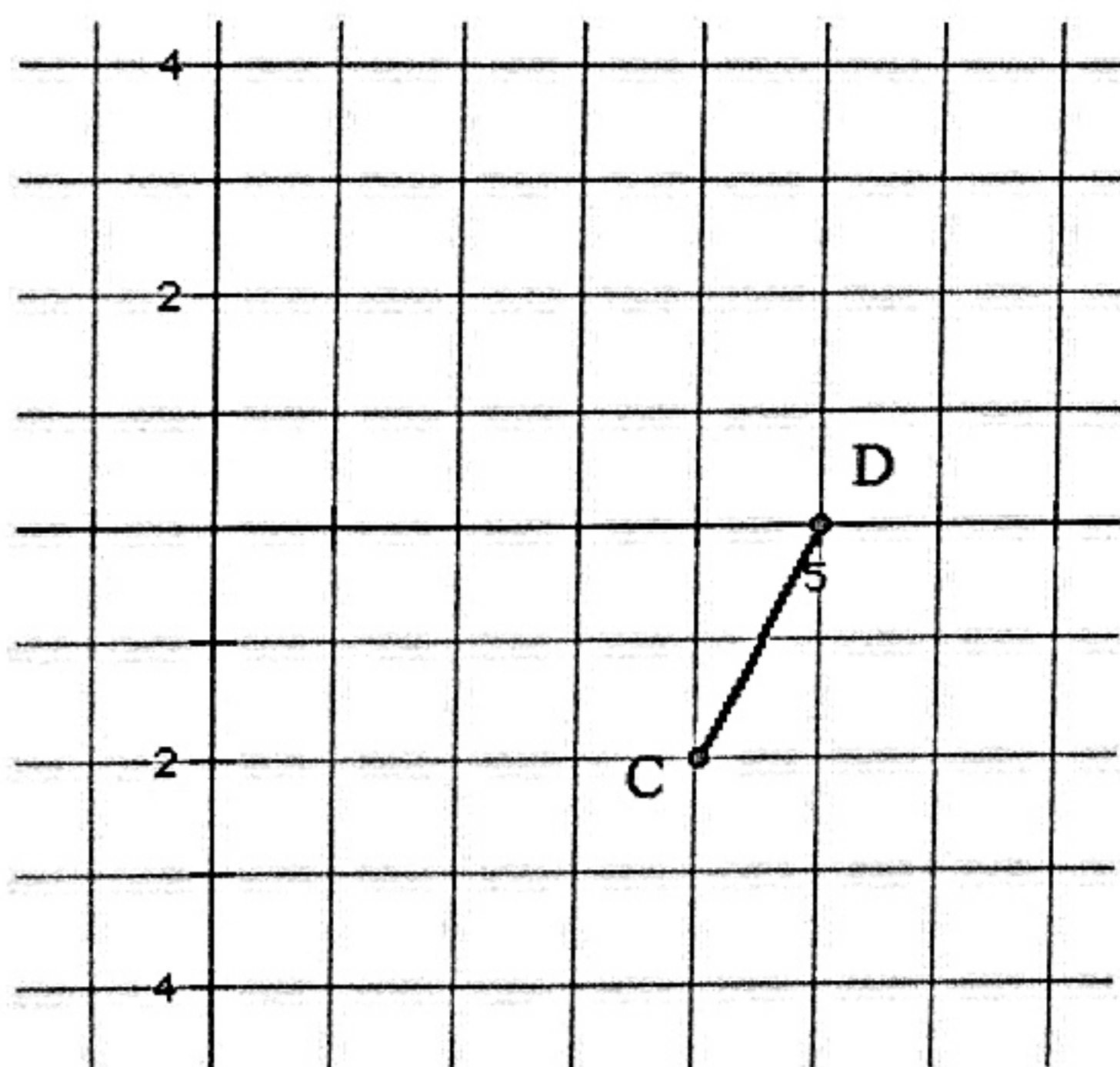
1. Use the graph below. Connect the points A and B to form a line segment.



a. Find the slope of the line segment that connects the points A and B. Show your work!

b. Create a square that uses points A and B as vertices (corners). Use the square to find the length of line segment AB.

2. Use the graph below. Create a square with segment CD as one of the sides.



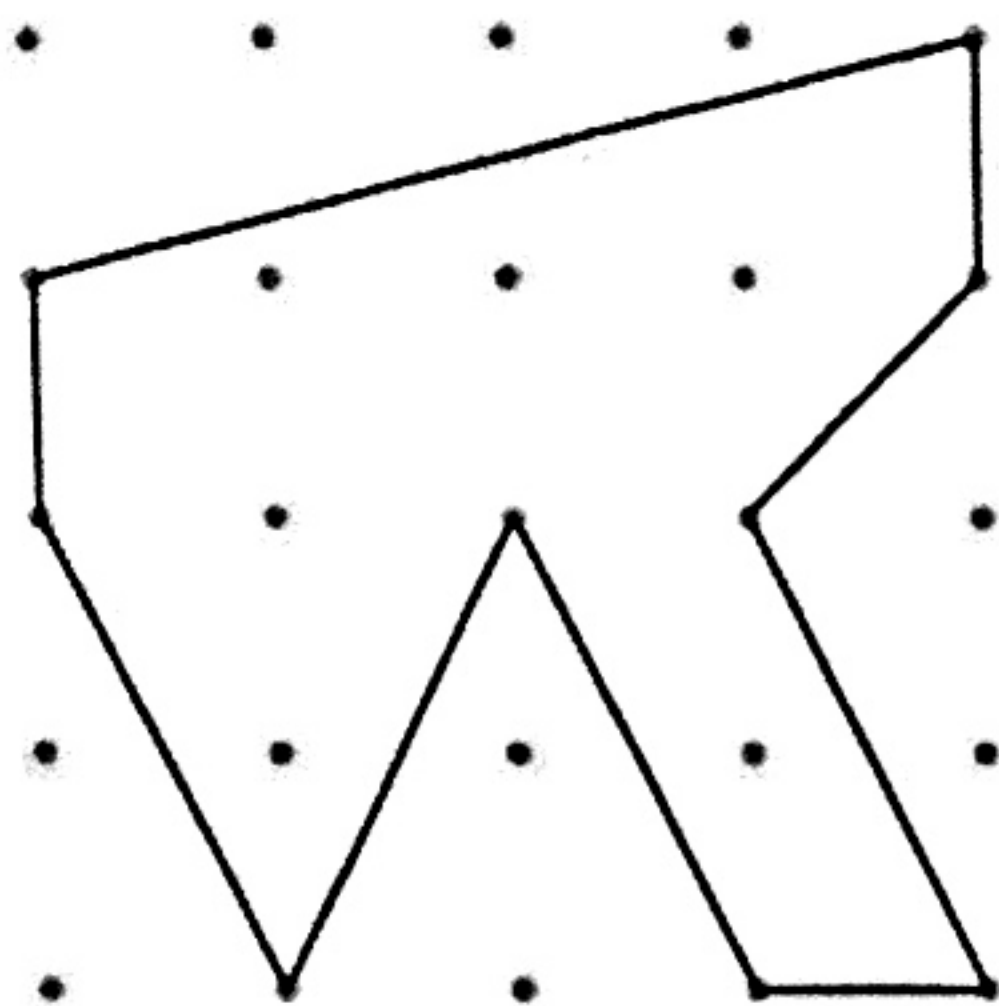
a. Find the slope of segment CD.

b. Find the length of segment CD.

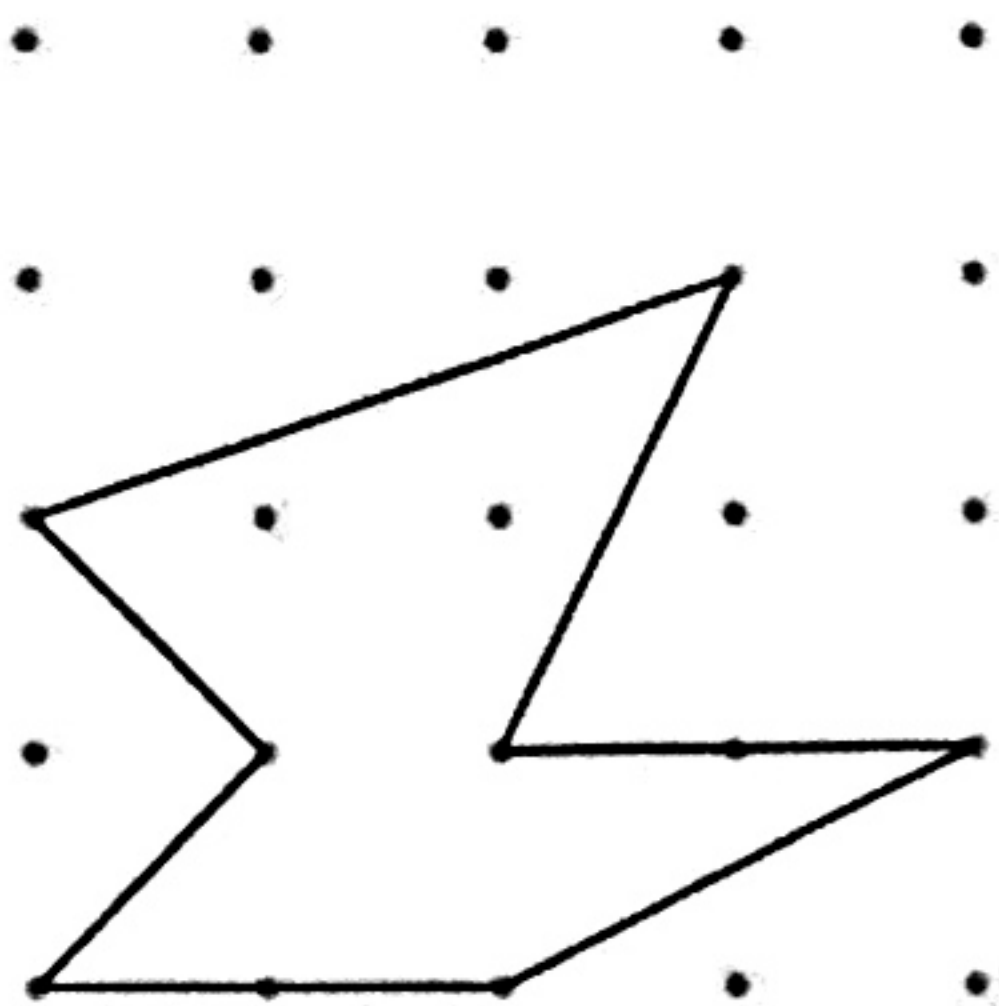
3. What is the equation of the vertical line through point C?

4. Graph $y = -3$ on the graph above.

Find the area of the two shapes

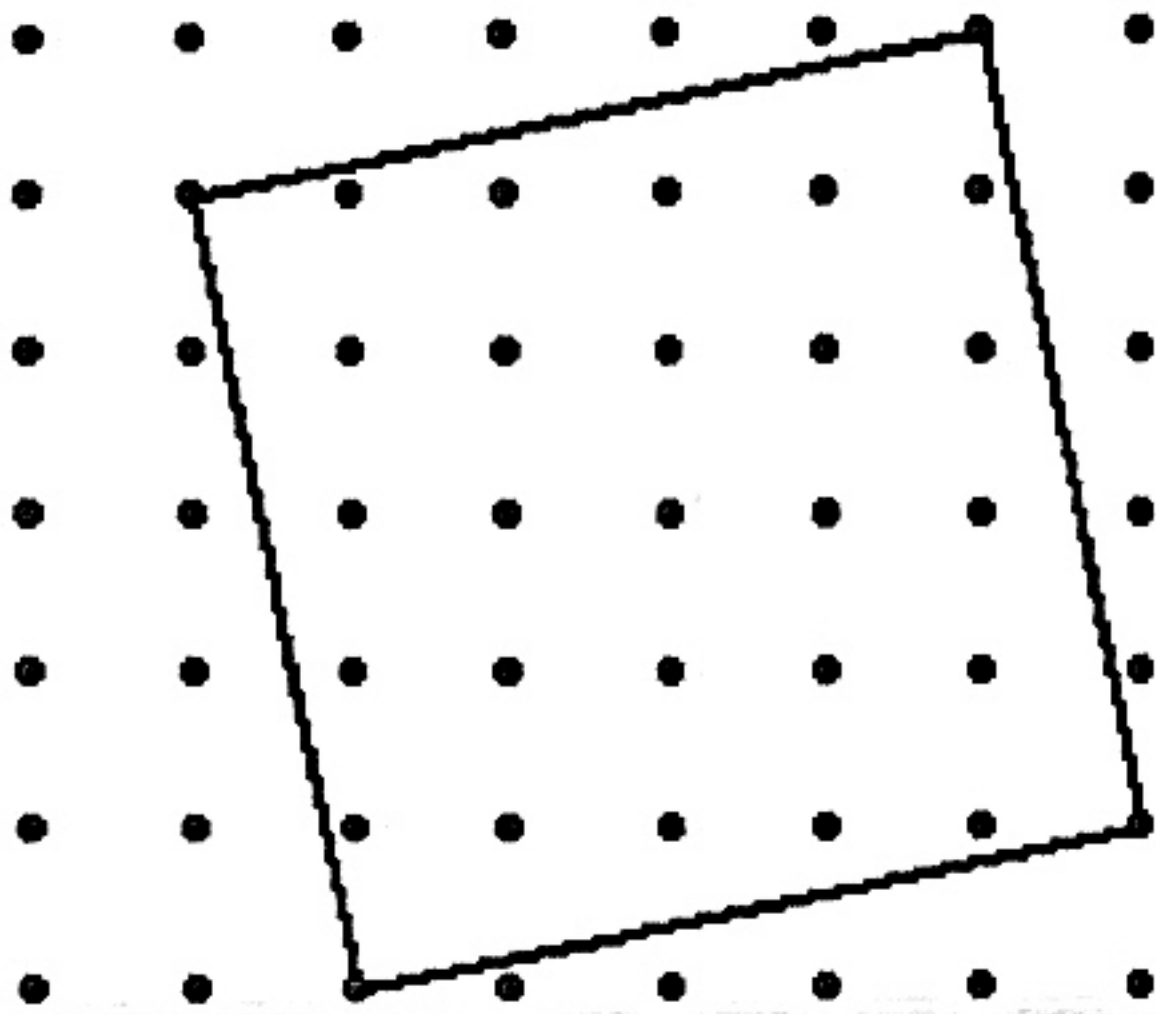


W



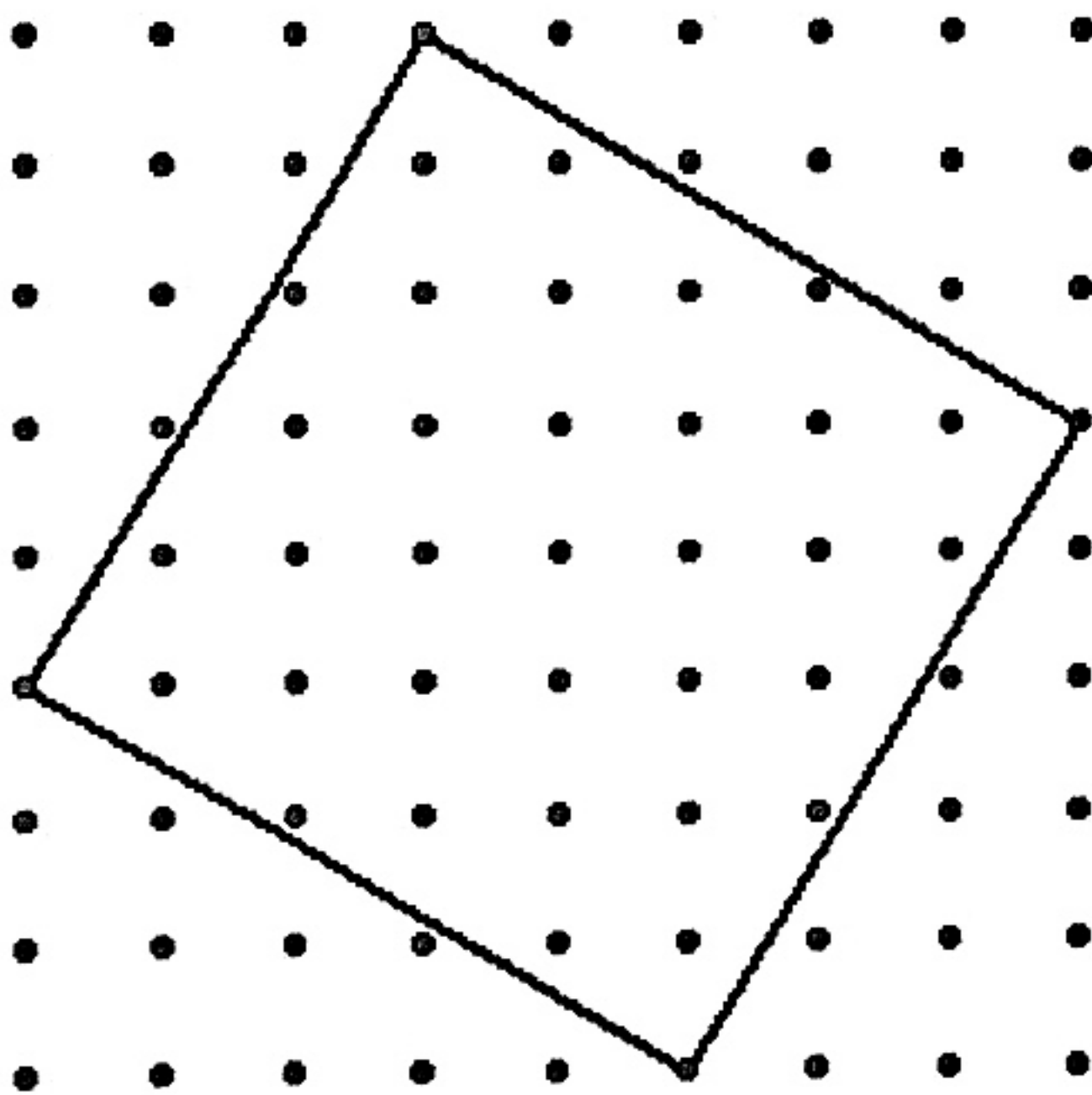
X

For the squares drawn on the dot grids below find each required item. Show your work on this paper!



1. Find the area of this square. Show your work clearly.

2. Find the side length of this square (use square root).



3. Find the area of this square. Show your work.

4. Find the side length of this square (use square root)...

5. If a square has an area of 78 what is the length of its sides? Give the most exact answer and an approximation.

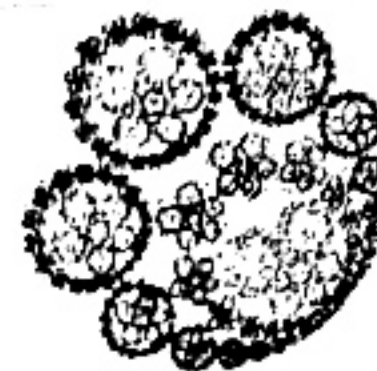
6. If a square has a side length of $\sqrt{53}$ what is the area of the square?

Name:

Period:

Sequences | 2

Ready, Set, Go!



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Ready

Topic: Finding recursive and explicit rules for tables.

For each table create both a recursive and an explicit function rule.

1.

x	f(x)
0	7
1	10
2	13
3	16

Recursive Rule:

Explicit Function:

2.

x	f(x)
0	7
1	14
2	28
3	56

Recursive Rule:

Explicit Function:

3.

t	f(t)
0	1
1	10
2	100
3	1000

Recursive Rule:

Explicit Function:

4.

x	g(x)
0	12
1	8
2	4
3	0

Recursive Rule:

Explicit Function:

5.

t	h(t)
0	5
1	10
2	20
3	40

Recursive Rule:

Explicit Function:

6.

t	h(t)
0	5
1	10
2	15
3	20

Recursive Rule:

Explicit Function:

7.

n	f(n)
0	4
1	9
2	13
3	18

Recursive Rule:

Explicit Function:

8.

n	f(n)
0	4
1	12
2	36
3	108

Recursive Rule:

Explicit Function:

9.

x	f(x)
0	6
1	12
2	24
3	48

Recursive Rule:

Explicit Function:

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Name: _____

Period: _____

Sequences | 2

Set

Topic: Evaluate the following equations when $x = \{1, 2, 3, 4, 5\}$. Organize your inputs and outputs into a table of values for each equation. Let x be the input and y be the output.

10. $f(x) = 4^x$



11. $g(x) = (-3)^x$



12. $h(x) = -3^x$



13. $r(x) = 10 - 3x$



Go

Topic: Solve equations and justify

Solve each equation, justifying each step you use.

(Addition property of equality, etc. Distributive Property, Combining like terms)

14.

$3(x + 2) = 15$	Justification

15.

$x - 10 = 2$	Justification

16.

$2(x + 3) = x + 11$	Justification

17.

$6x - 5 = 11 + 2x$	Justification