

Coordinate Geometry Worksheets

1. Complete the table for the given rules.

Line a

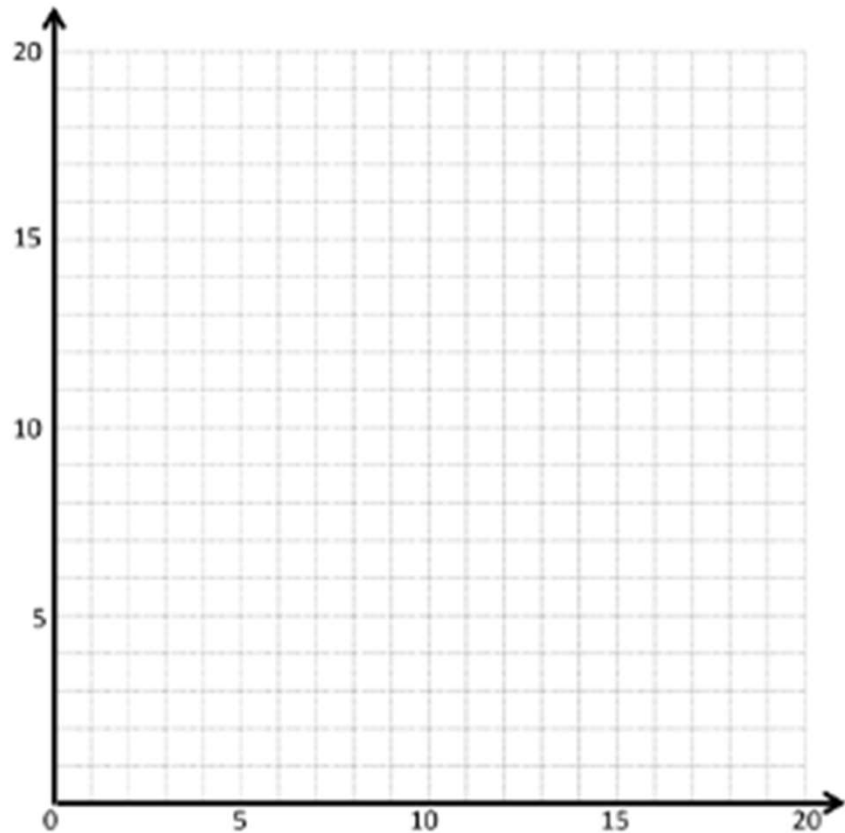
Rule: y is 1 more than x

x	y	(x, y)
1		
5		
9		
13		

Line b

Rule: y is 4 more than x

x	y	(x, y)
0		
5		
8		
11		



- Construct each line on the coordinate plane above.
 - Compare and contrast these lines.
- c. Based on the patterns you see, predict what line c , whose rule is y is 7 more than x , would look like. Draw your prediction on the plane above.

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1. Complete the table for the given rules.

Line a

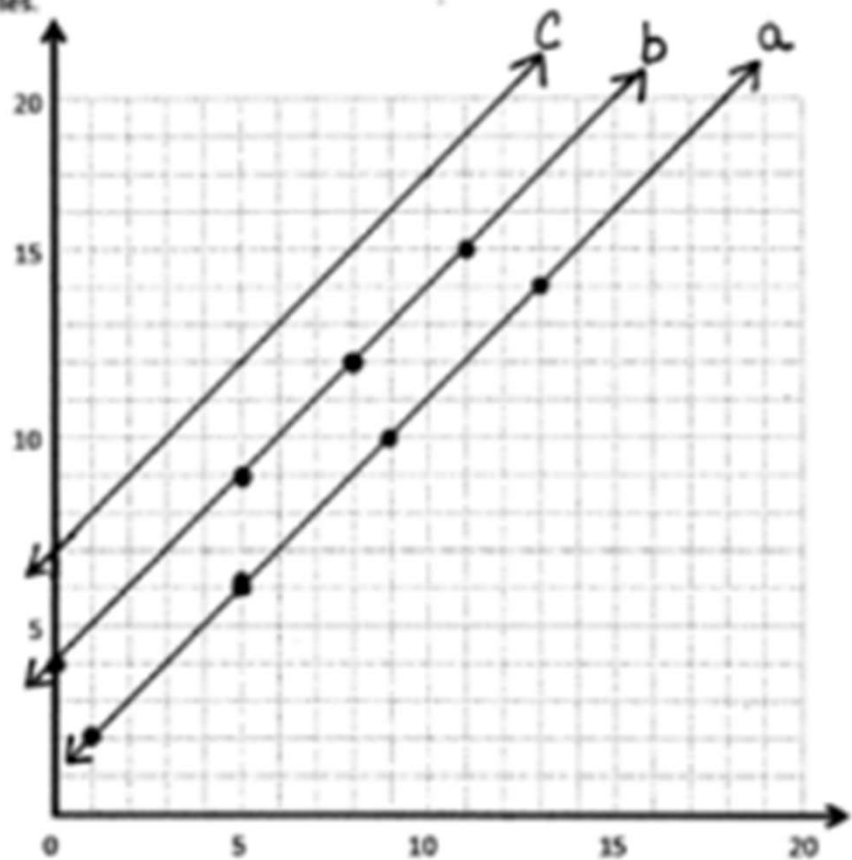
Rule: y is 1 more than x

x	y	(x, y)
1	2	(1, 2)
5	6	(5, 6)
9	10	(9, 10)
13	14	(13, 14)

Line b

Rule: y is 4 more than x

x	y	(x, y)
0	4	(0, 4)
5	9	(5, 9)
8	12	(8, 12)
11	15	(11, 15)



- Construct each line on the coordinate plane above.
- Compare and contrast these lines.

They are both parallel. The only difference is that b has y values 3 units greater than a.

- Based on the patterns you see, predict what line c, whose rule is 7 more than x , would look like. Draw your prediction on the plane above.

I predict that line c will be parallel to both lines a and b.