

Coordinate Geometry Worksheets

Use the coordinate plane below to complete the following tasks.

- a. Graph the lines on the plane.

line l : x is equal to y

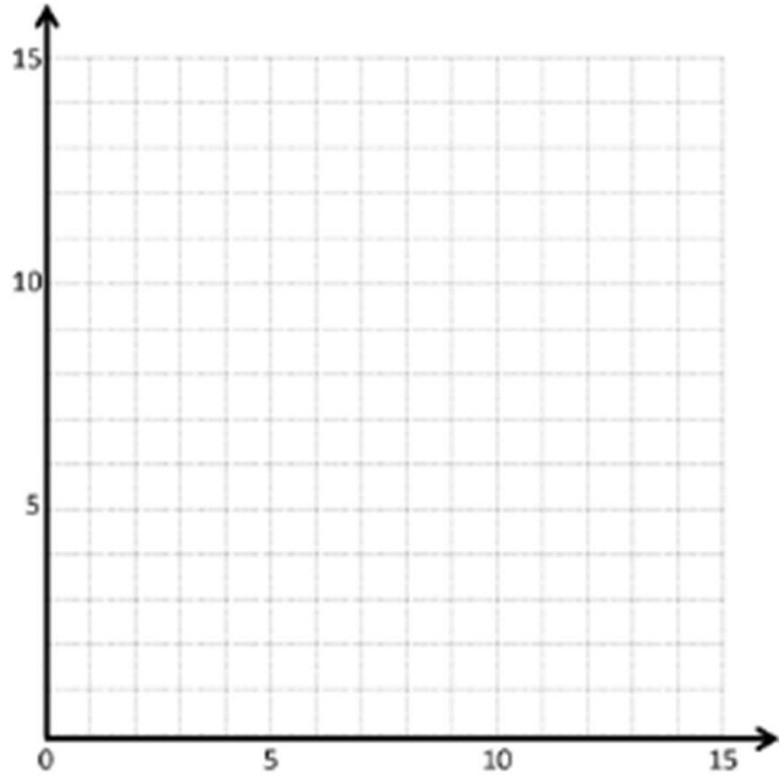
	x	y	(x, y)
A			
B			
C			

line m : y is 1 more than x

	x	y	(x, y)
G			
H			
I			

line n : y is 1 more than twice x

	x	y	(x, y)
S			
T			
U			



- b. Which two lines intersect? Give the coordinates of their intersection.
- c. Which two lines are parallel?
- d. Give the rule for another line that would be parallel to the lines you listed in Problem 4(c).

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4. Use the coordinate plane below to complete the following tasks.

a. Graph the lines on the plane.

line l : x is equal to y

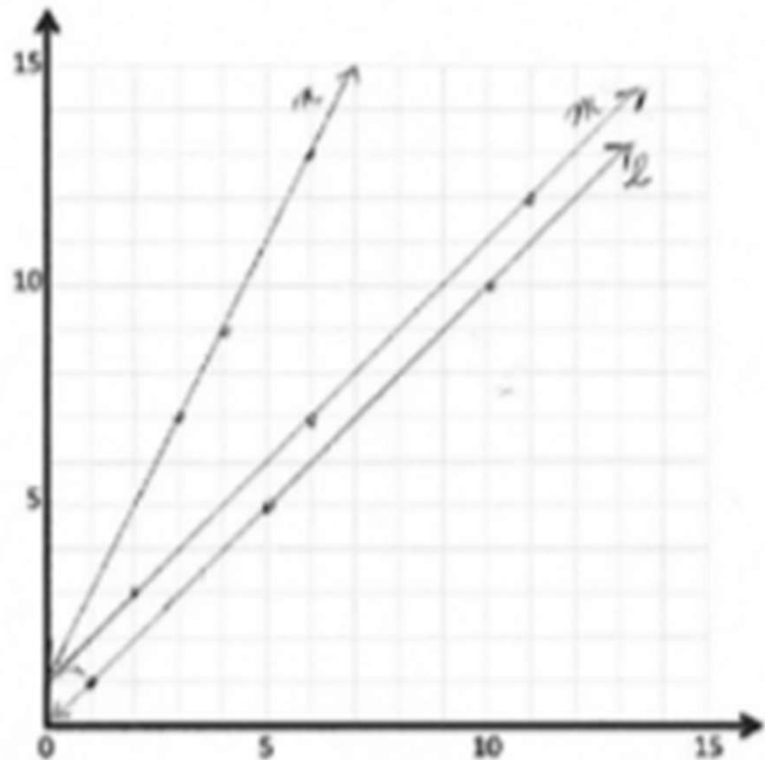
	x	y	(x, y)
A	1	1	(1, 1)
B	5	5	(5, 5)
C	10	10	(10, 10)

line m : y is 1 more than x .

	x	y	(x, y)
G	2	3	(2, 3)
H	6	7	(6, 7)
I	11	12	(11, 12)

line n : y is 1 more than twice x

	x	y	(x, y)
S	3	7	(3, 7)
T	4	9	(4, 9)
U	6	13	(6, 13)



b. Which two lines intersect? Give the coordinates of their intersection.

l and m , at $(0, 1)$

c. Which two lines are parallel?

l, m

d. Give the rule for another line that would be parallel to the lines you listed in (c).

y is 1 less than x