

Name _____

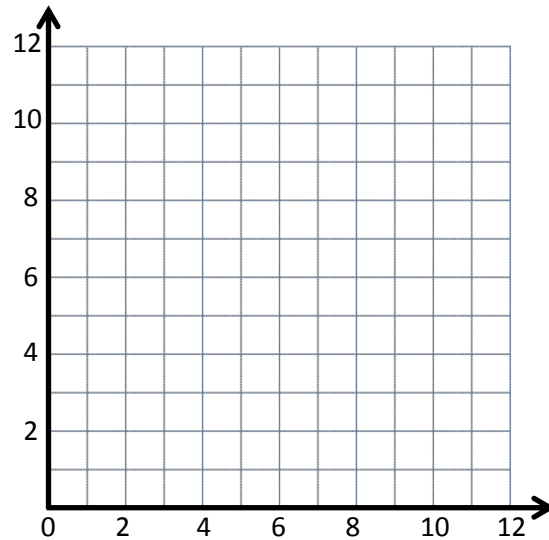
Date _____

1. Complete this table such that each y -coordinate is 4 more than the corresponding x -coordinate.

x	y	(x, y)

- Plot each point on the coordinate plane.
- Use a straightedge to construct a line connecting these points.
- Give the coordinates of 2 other points that fall on this line with x -coordinates greater than 18.

(_____, _____) and (_____, _____).

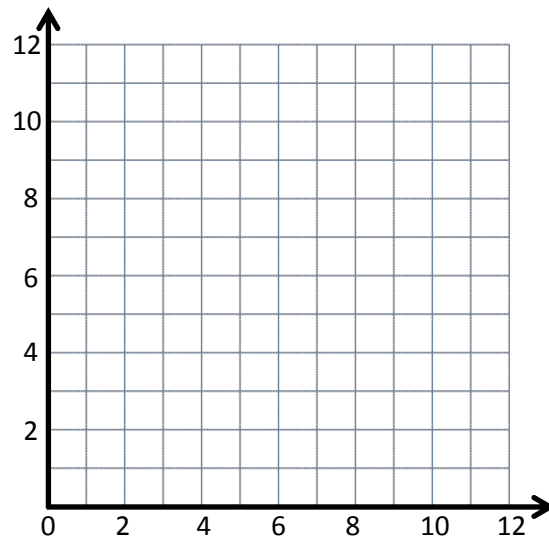


2. Complete this table such that each y -coordinate is 2 times as much as its corresponding x -coordinate.

x	y	(x, y)

- Plot each point on the coordinate plane.
- Use a straightedge to draw a line connecting these points.
- Give the coordinates of 2 other points that fall on this line with y -coordinates greater than 25.

(_____, _____) and (_____, _____).



3. Use the coordinate plane below to complete the following tasks.
- a. Graph these lines on the plane.

line ℓ : x is equal to y

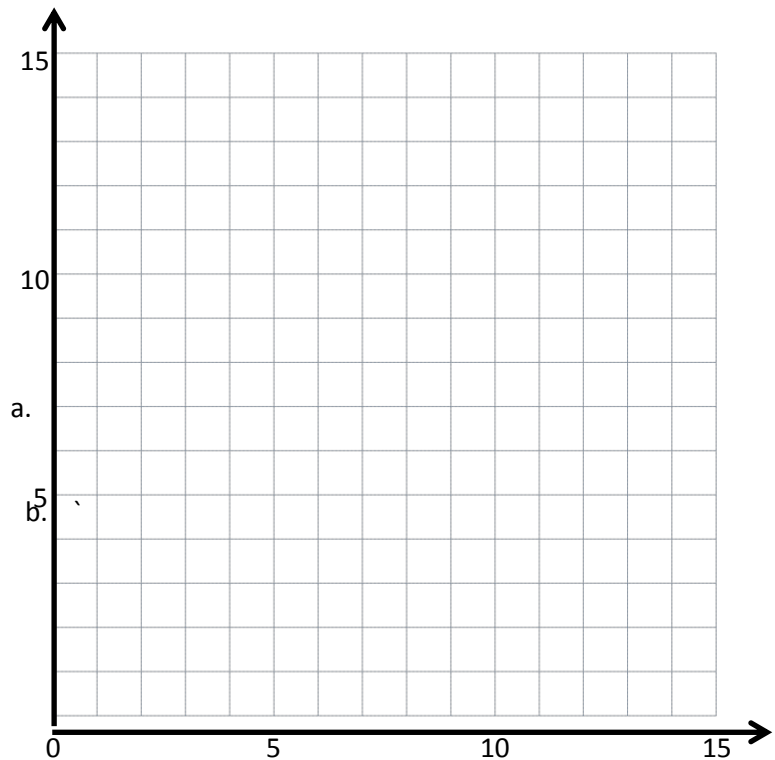
	x	y	(x, y)
A			
B			
C			

line m : y is 1 less than x

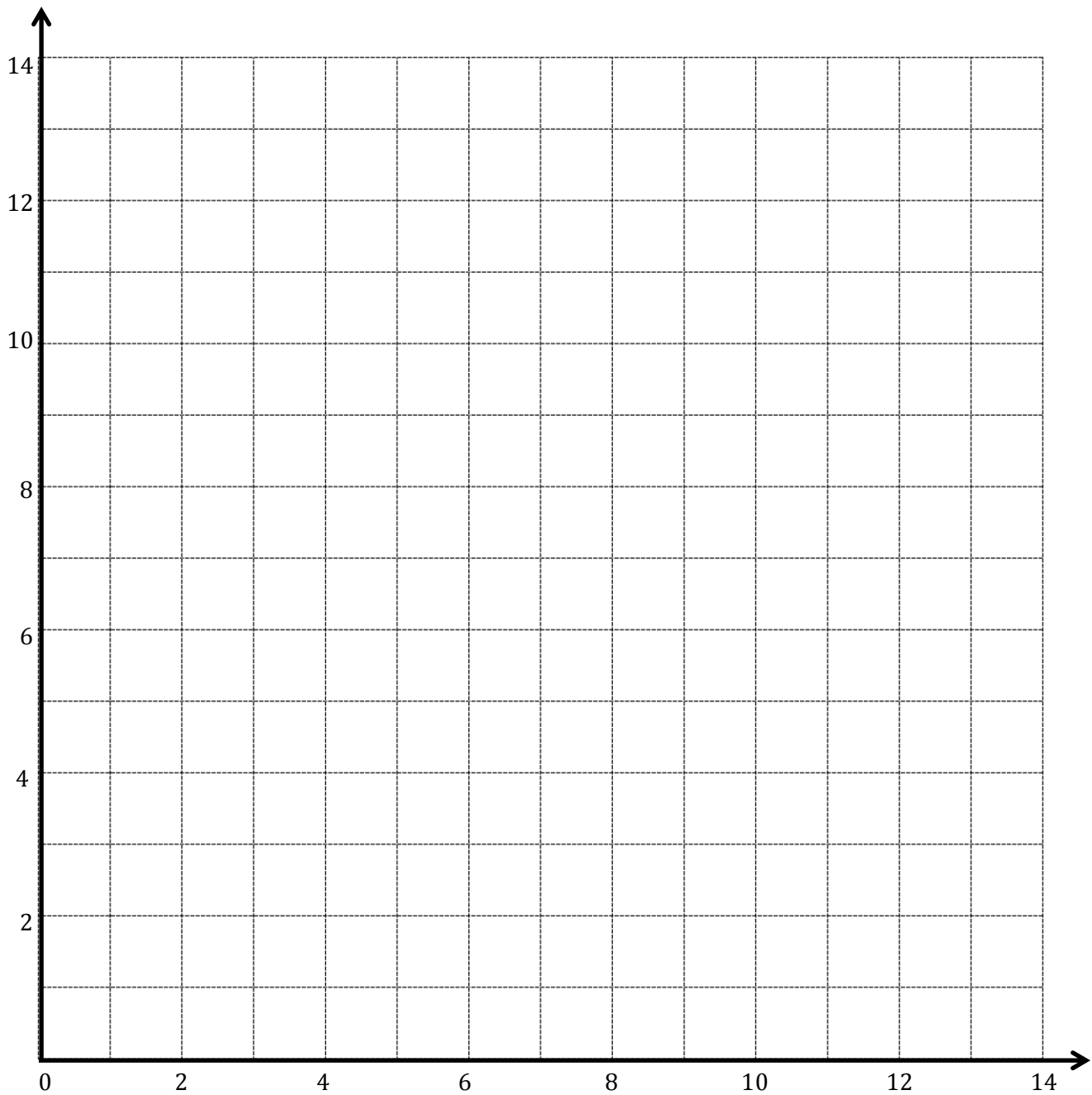
	x	y	(x, y)
G			
H			
I			

line n : y is 1 less than twice x

	x	y	(x, y)
S			
T			
U			



- b. Do any of these lines intersect? If yes, identify which ones, and give the coordinates of their intersection.
- c. Are any of these lines parallel? If yes, identify which ones.
- d. Give the rule for another line that would be parallel to the lines you listed in (c).



Line <i>a</i> :		
<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)

Line <i>b</i> :		
<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)

Line <i>c</i> :		
<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)