

Name _____

Date _____

1. Complete the table for the given rules.

Line ***a***

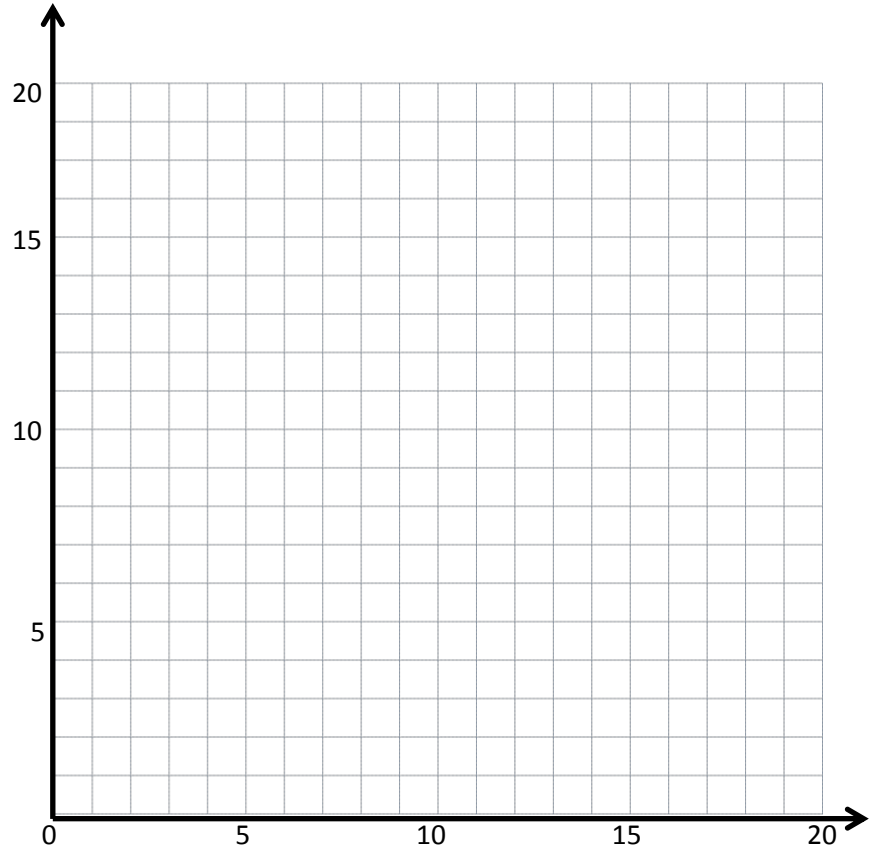
Rule: *y* is 1 less than *x*

<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)
1		
4		
9		
16		

Line ***b***

Rule: *y* is 5 less than *x*

<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)
5		
8		
14		
20		



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

2. Complete the table for the given rules for x values 0, 3, 4, and 6.

Line e

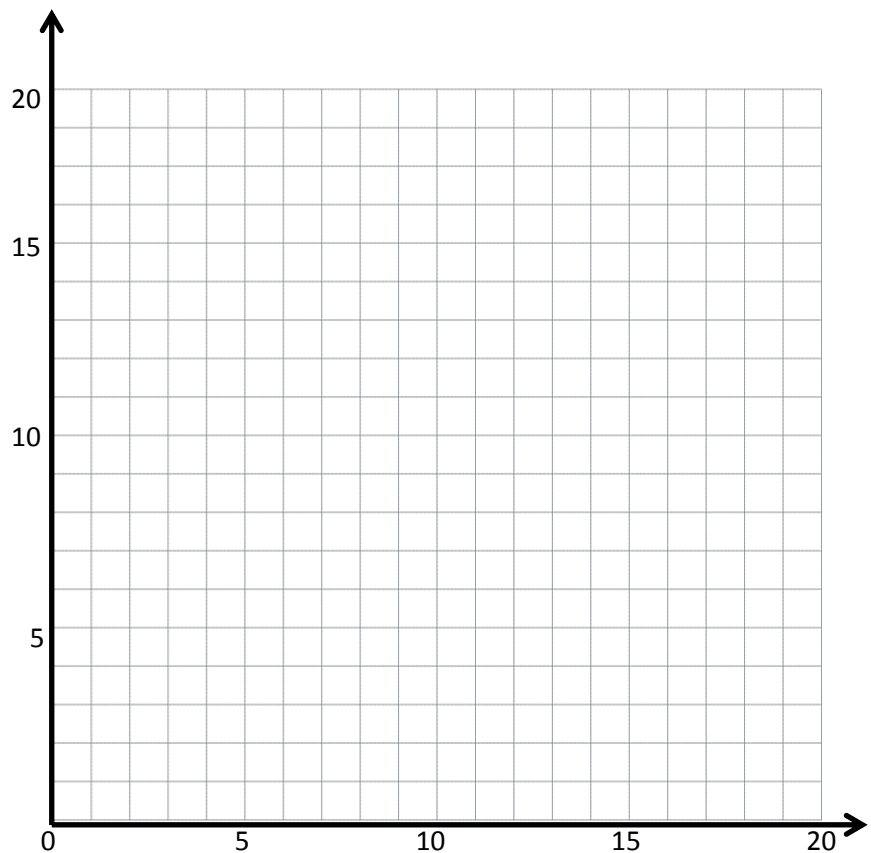
Rule: y is 3 times as much as x

x	y	(x, y)

Line f

Rule: y is a third as much as x

x	y	(x, y)



- Construct each line on the coordinate plane.
 - Compare and contrast these lines.
- c. Based on the patterns you see, predict what line g , whose rule is 4 times as much as x , and line h , whose rule is one-fourth as much as x , would look like. Draw your prediction in the plane above.

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Line ℓ

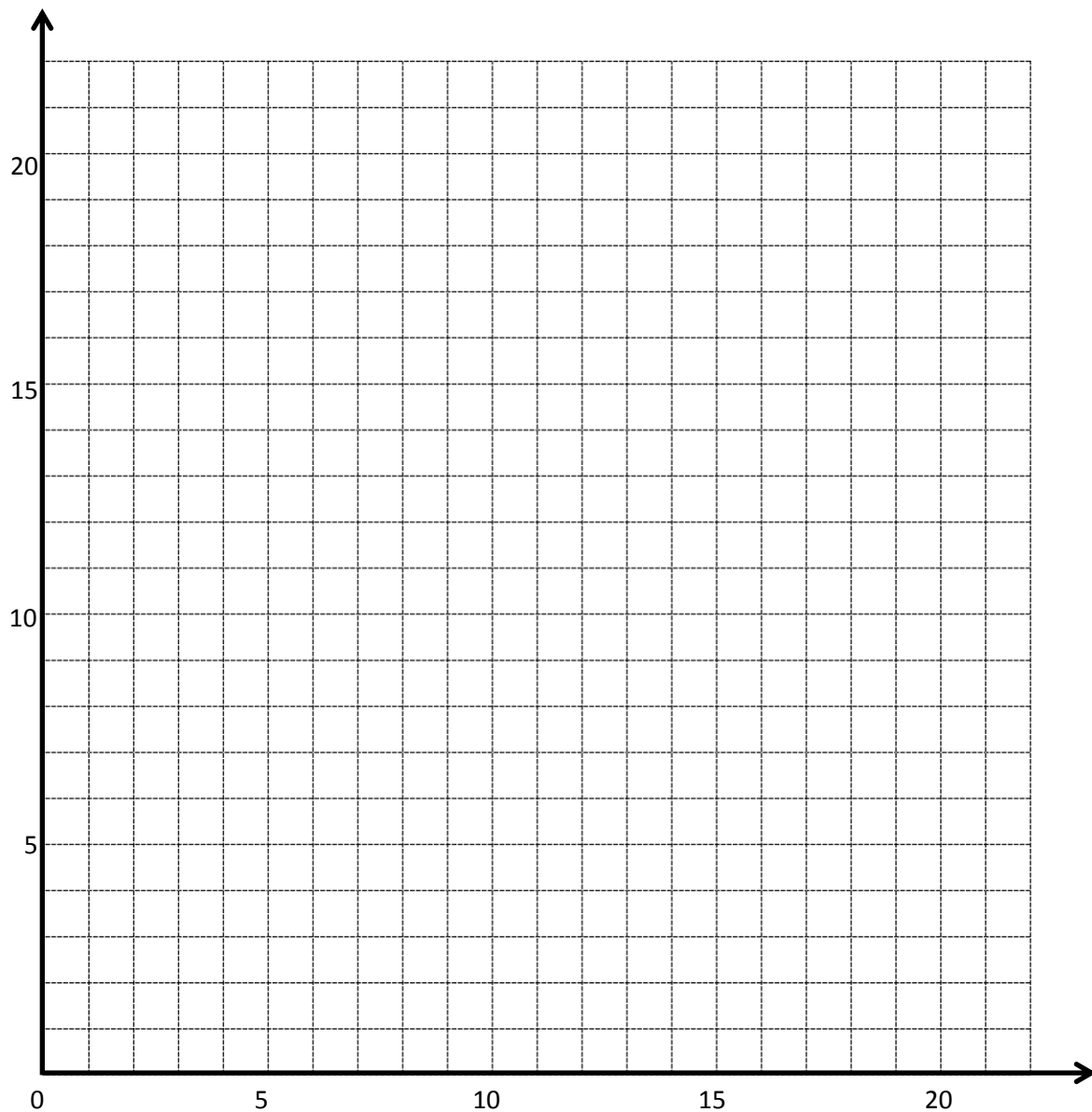
Rule: y is 2 more than x

x	y	(x, y)
1		
5		
10		
15		

Line m

Rule: y is 5 more than x

x	y	(x, y)
0		
5		
10		
15		



Line ***p***

Rule: *y* is *x* times 2

<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)

Line ***q***

Rule: *y* is *x* times 3

<i>x</i>	<i>y</i>	(<i>x</i> , <i>y</i>)

