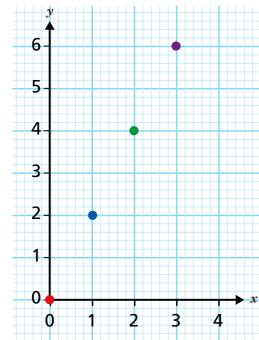


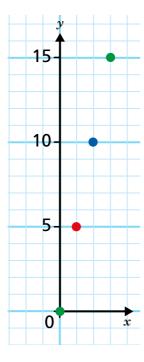
Recognise and use lines of the form y = kx







b)



2 times-table

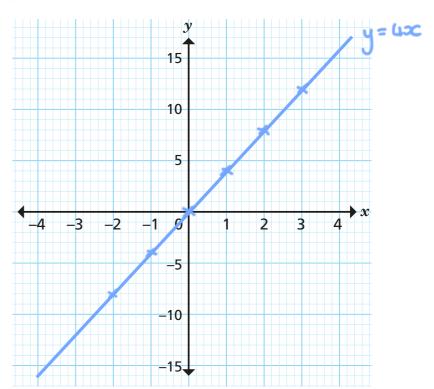
5 times-table

2) a) Complete the table of values for y = 4x.

x	-2 -1		0	ı	2	3	
y	-8	-4	0	4	8	12	

b) Write the values in the table as coordinates.

c) Plot the graph of y = 4x.



d) Complete the sentence.

On the graph y = 4x, the y-coordinate is always times the _____-coordinate.

3) a) Complete the table of values for y = 3x.

Use values of x from -2 to 2

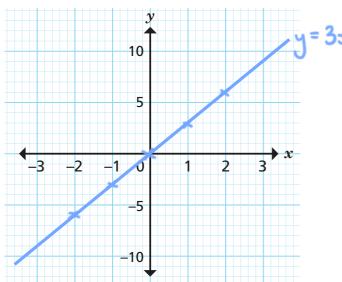
x	- 2	1	0	1	2
у	-6	-3	0	3	6

b) Write the values in the table as coordinates.

(-2	,	-6), (-1	,	-3), (0	,	0),
(١	,	3), (2	,	6)				



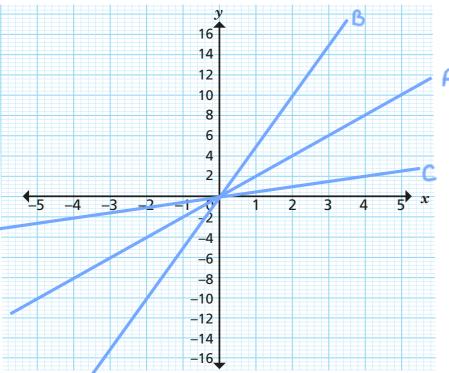
c) Plot the graph of y = 3x.



d) Complete the sentence.

On the graph y = 3x, the y-coordinate is always 3 times the x-coordinate.

4 Here is a blank coordinate grid.



- a) Plot the graphs on the same grid. Label each graph.
 - $\mathbf{A} \quad y = 2x$
- $\mathbf{B} \quad y = 5x$
- **C** $y = \frac{1}{2}x$

- b) What do you notice?



5



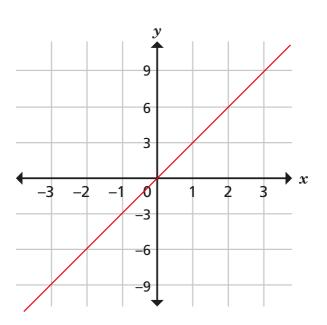
This is the graph of y = x.

This is the graph of y = 3x.



Amir

Eva



Who is correct? ________

Explain your reasons.

The y-coordinate at each point is three times the x-coordinate.

6 Put the graphs in order of steepness.

$$y - 3x = 0$$

$$y = x$$

$$3y = x$$

$$x = 3$$

 ∞ = 3,





