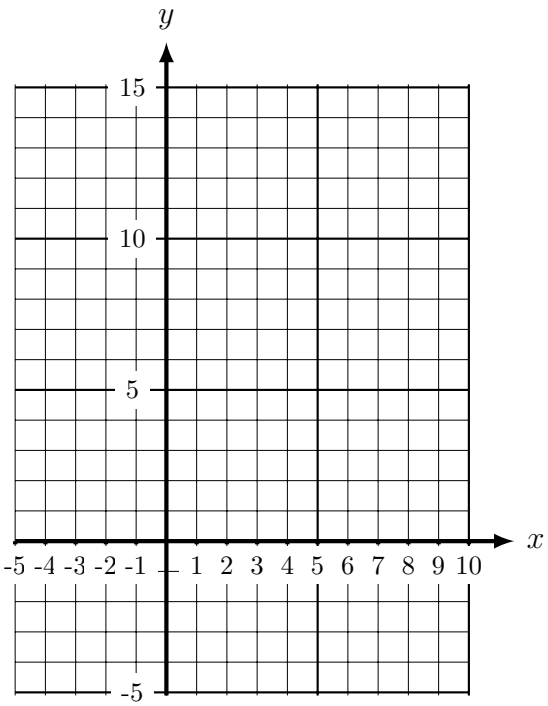
1. (a) Complete the table of values for y = 2x + 7

Hint (a) continue this sequence →

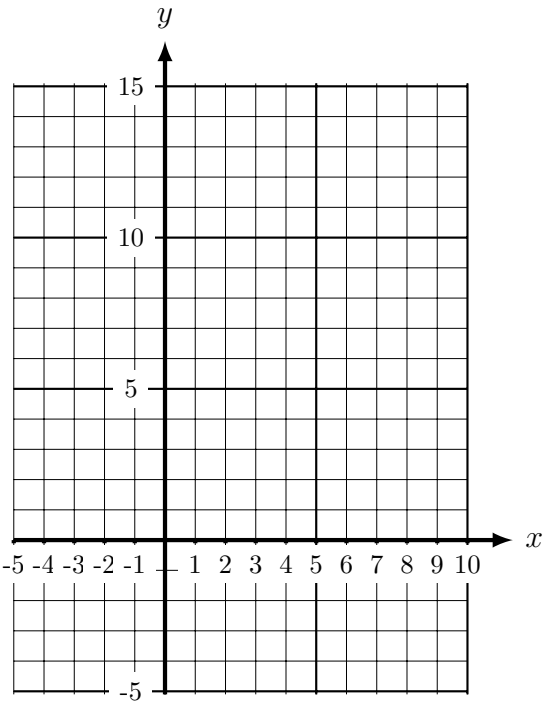
x	-2	-1	0	1	2	3
y	3	5	7			
	×	×	×	↑	↑	↑

Hint (b) ignore the 0 and negatives, . . . plot the easiest points first

(b) On the grid, below left, draw the line y = 2x + 7, for values of x from -2 to 3.



grid for Q1: y = 2x + 7



grid for Q2: y = 4x - 3

2. (a) Complete the table of values for y = 4x - 3

Hint (a) continue this sequence →

x	-1	0	1	2	3	4
y	-7	-3	1	5	9	
	×	×	↑	↑	↑	↑

Hint (b) ignore the 0 and negatives, . . . plot the easiest points first

(b) On the grid, above right, draw the line y = 4x - 3, for values of x from -1 to 4.

Turn over for more questions and answers

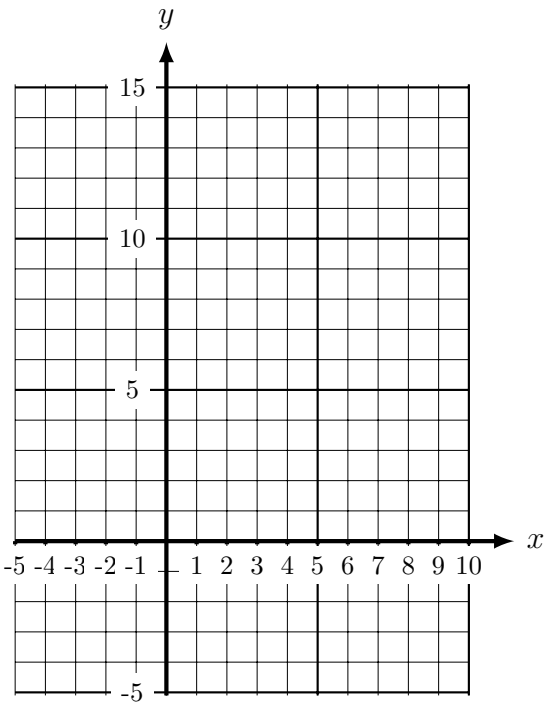
3. (a) Complete the table of values for y = 3x + 5

Hint (a) continue this sequence →

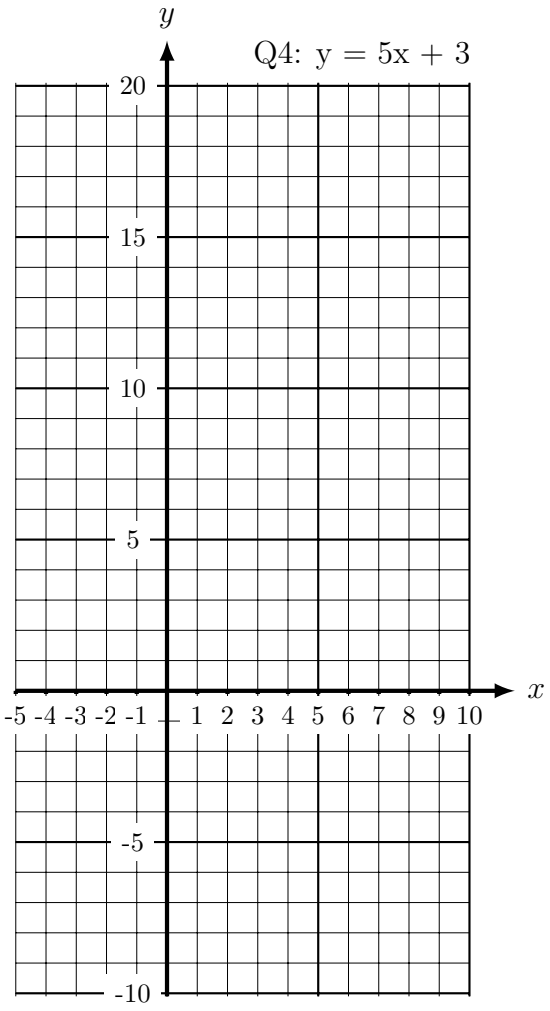
x	-2	-1	0	1	2	3
y	-1	2	5	8		
	×	×	×	↑	↑	↑

Hint (b) ignore the 0 and negatives, ... plot the easiest points first

(b) On the grid, below left, draw the line y = 3x + 5, for values of x from -2 to 3.



grid for Q3: y = 3x + 5



grid for Q4 ↑ y = 5x + 4

4. (a) Complete the table of values for y = 5x + 4

Hint (a) continue this sequence →

x	-2	-1	0	1	2	3
y	-6	-1	4	9		
	×	×	×	↑	↑	↑

Hint (b) ignore the 0 and negatives, ... plot the easiest points first

(b) On the grid, above right, draw the line y = 5x + 3, for values of x from -2 to 3.

algebra Graph (2) Answers: missing values Q1. 9, 11, 13 Q2. 13 Q3. 11, 14 Q4. 14, 19

Your teacher will check your lines go (more or less) through Q1 (-2, 3) to (3, 13)

Q2 (-1, -7) to (4, 13) Q3 (-2, -4) to (3, 11) Q4 (-2, -6) to (3, 19)