

Home Learning 7.3 Date Due:.....

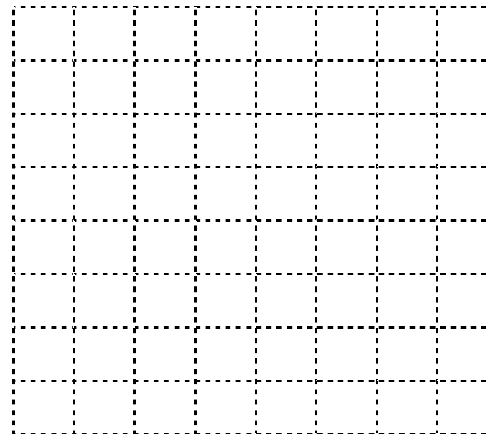
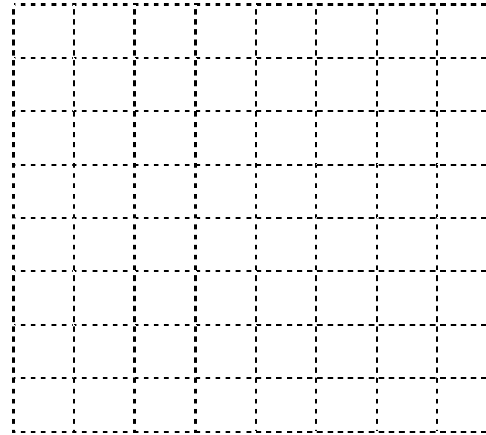
Draw the graphs of:

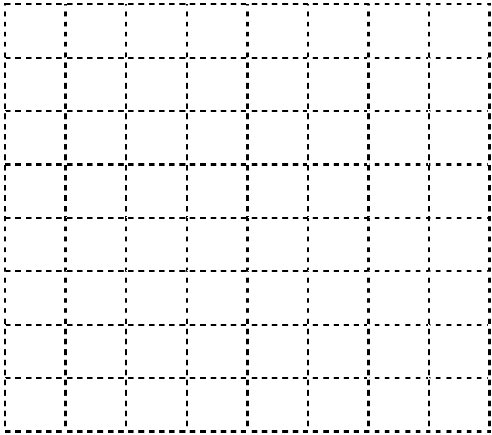
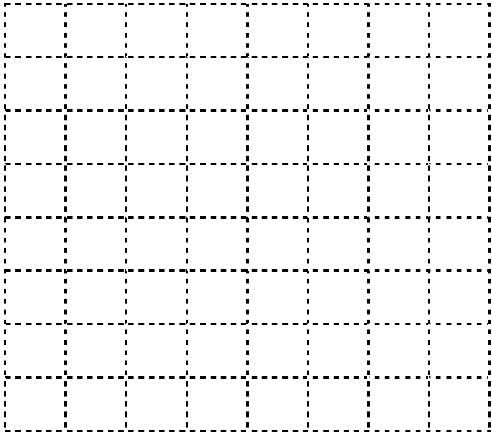
a $y = 4x + 3$

b $y = 4x - 1$

c $y = 4x + 5$

d $y = 4x - 3$





Mark:

Home Learning 11.4 Date Due:.....

1 The test results of 10 students are recorded for maths and science.

Student	1	2	3	4	5	6	7	8	9	10
Maths	50	62	24	35	85	38	42	75	90	56
Science	43	65	18	30	90	38	48	82	95	60

a Plot the results on a scatter graph. Take the *x*-axis as the maths result from 0 to 100, and take the *y*-axis as the science result from 0 to 100.

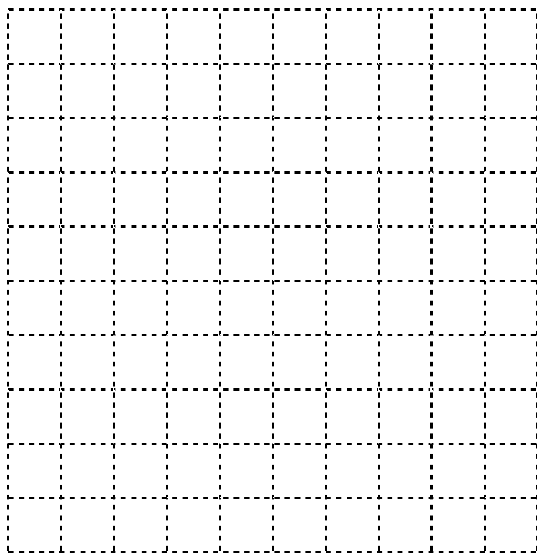
b Describe in words what the graph tells you.

2 The table shows the cost of CDs in a record shop sale and the number sold in one day.

CD	A	B	C	D	E	F	G	H	I	J
Cost	£8	£12	£14	£10	£12	£9	£8	£10	£13	£12
Number sold	20	12	8	15	10	18	18	13	7	8

a Plot the results on a scatter graph. Take the *x*-axis as the cost from £0 to £20, and take the *y*-axis as the number sold from 0 to 25.

b Describe in words what the graph tells you.



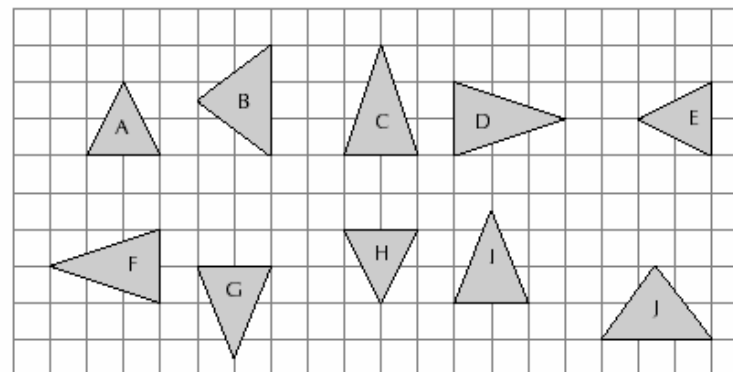
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Home Learning 9.1 Date Due:.....

1 For each pair of shapes below, state whether they are congruent or not:



2 Which of the isosceles triangles on the grid below are congruent?



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Mark:

Home Learning 10.3 Date Due:.....

1 Solve the following equations:

- a** $5x + 3 = 12 + 2x$ **b** $7x + 3 = 19 + 3x$ **c** $6x + 4 = 16 + 2x$ **d** $7x - 4 = 11 + 2x$
e $6x - 5 = 19 + 2x$ **f** $7x - 6 = 9 + 2x$ **g** $7 + 6x = 13 + 3x$ **h** $4 + 3x = 10 + 5x$
i $6 + 9x = 21 + 4x$

2 Solve the following equations:

- a** $3(x + 5) = 21 + x$ **b** $4(2x + 3) = 26 + x$ **c** $4(3x - 1) = 6 + 7x$
d $5x - 7 = 2(1 + x)$ **e** $8x + 9 = 3(5 + 2x)$ **f** $7x - 2 = 2(1 + 3x)$
g $2(4x + 7) = 3(8 + x)$ **h** $3(8 + 3x) = 4(7 + 2x)$ **i** $2(5x - 6) = 4(3 + x)$

Mark: