

Name	
Form	
Teacher	

Maths

Homework Booklet

Year 9 Autumn 1

Set P,1,2,3

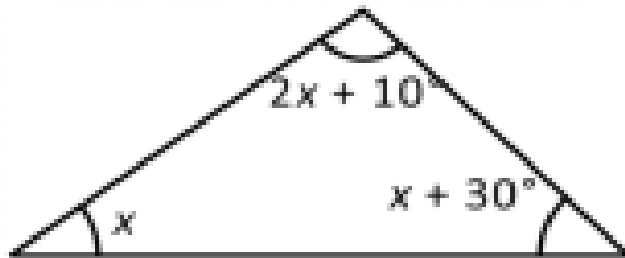
Topic	Score achieved	Sparx %
1. Sparx	-	%
2. Sparx	-	%
3. Forming and solving an equation	/8	%
4. Plotting co-ordinates	/19	%
5. Plotting a straight line graph	/4	%
6. Interpreting the equation of a linear graph	/16	%
7. Plotting a non-linear graph	/4	%



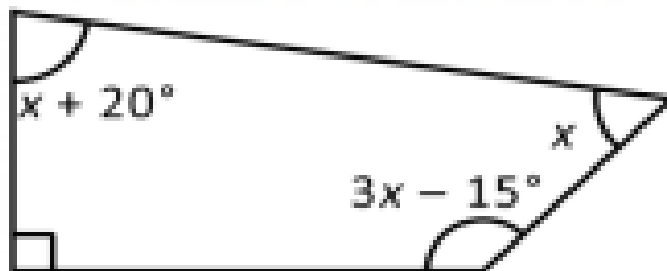
Week 3

Form and solve an equation to find x

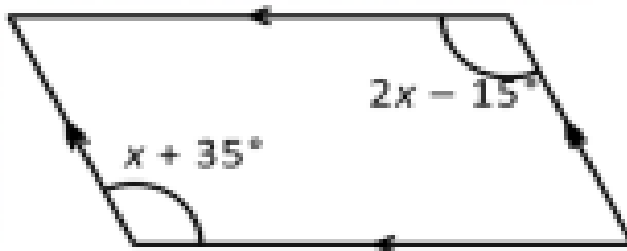
1)



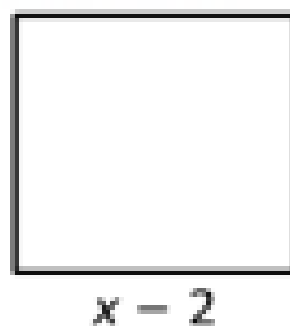
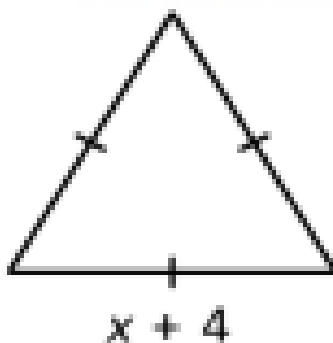
2)



3)



- 4) The triangle and the square have the same perimeter. Work out the area of the square.

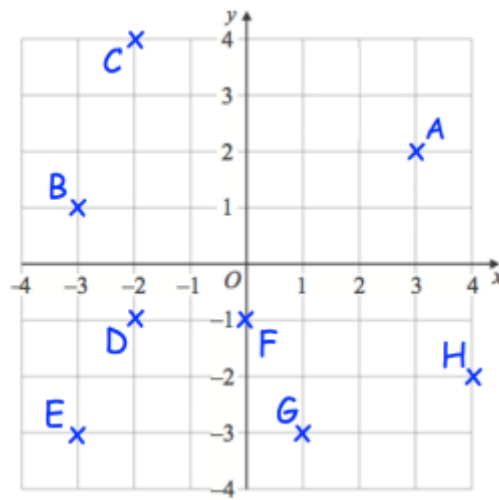


Sparx – Homework Answers



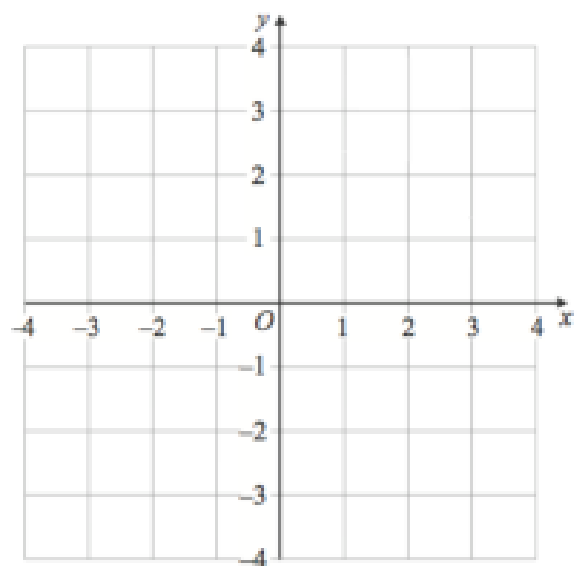
Week 4

Question 1: Write down the co-ordinates of the following points.



Question 2: Plot the following points on grid.

- (a) A (1, 4)
- (b) B (-1, 1)
- (c) C (-3, -4)
- (d) D (2, -1)
- (e) E (-2, 0)
- (f) F (-1, -2)
- (g) G (3, -2)
- (h) H (0, -4)
- (i) I (-2, 2)
- (j) J (-4, -1)
- (k) K (0, 1)



Sparx – Homework Answers



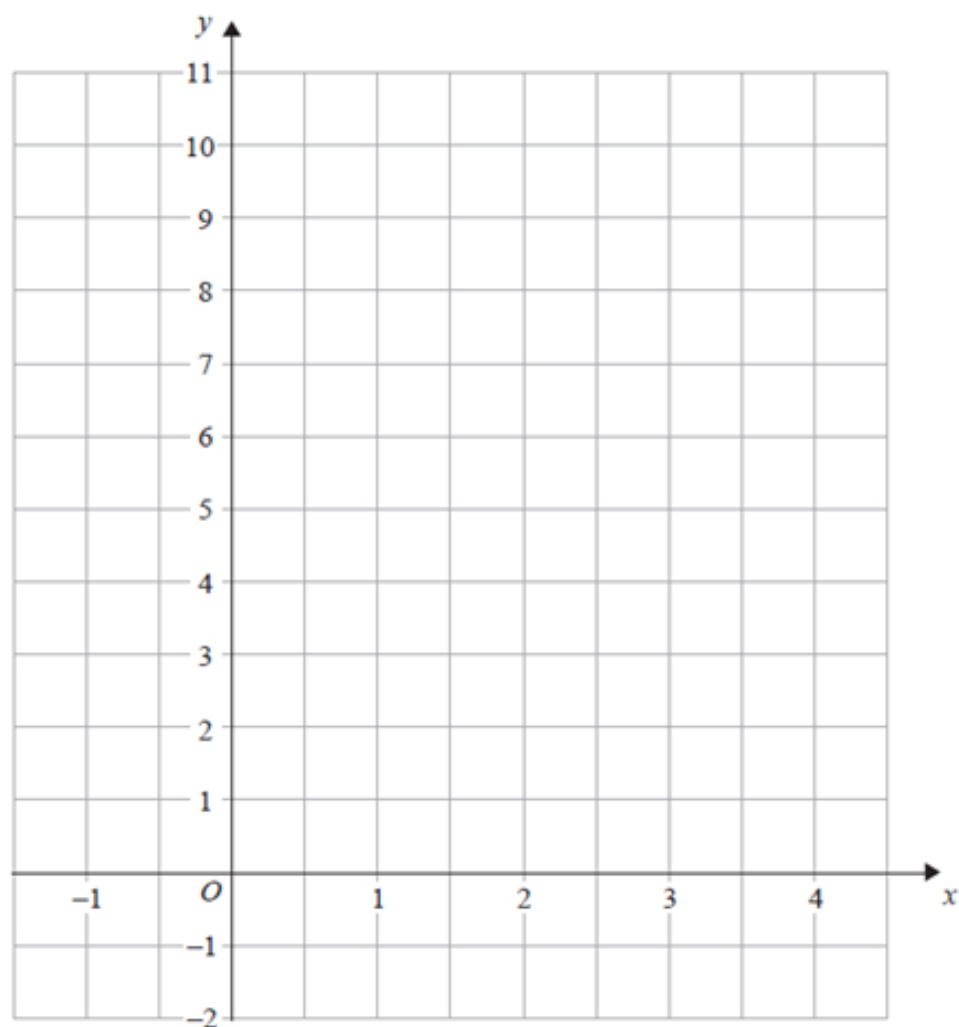
Week 5

(a) Complete the table of values for $y = 8 - 2x$

x	-1	0	1	2	3	4
y			6			0

(2)

(b) On the grid, draw the graph of $y = 8 - 2x$ for values of x from -1 to 4



(2)

Sparx – Homework Answers

Week 6

Find the y axis intercept

1) $y = 2x + 3$

2) $y = 10x - 4$

3) $y = 5 + 6x$

4) $y + 5 = \frac{1}{2}x$

5) $y - 3x = 1$

6) $y + 5x = 2$

7) $10 - y = 4x$

8) $5x + y = 10$

Find the gradient

1) $2y = 4x - 6$

2) $2y - 4x = 7$

3) $x + 2y = 9$

4) $4y - x = 10$

5) $y - 4x = 10$

6) $3x - 6y = -2$

7) $4x + 2y = 2$

8) $x - 2y = 1$

Sparx – Homework Answers



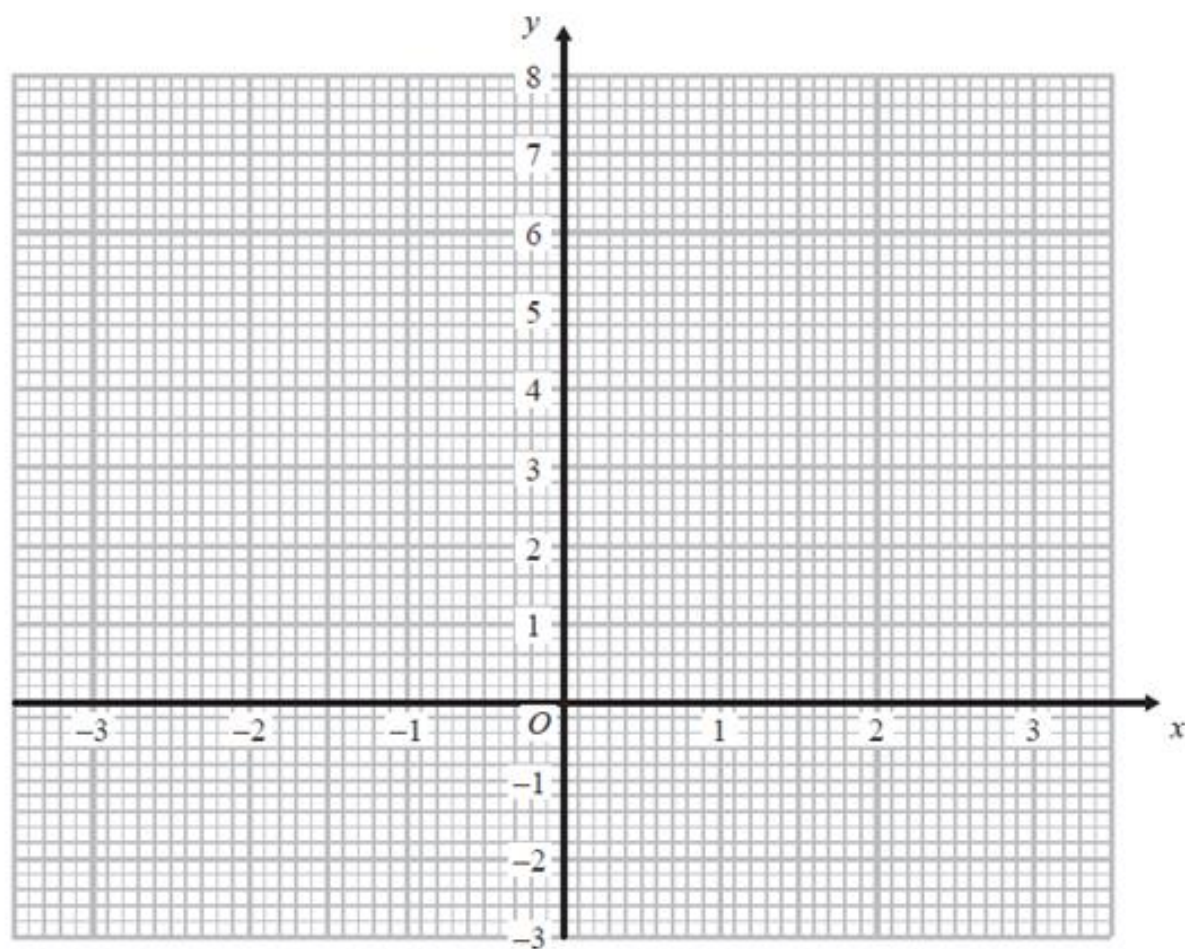
Week 7

(a) Complete the table of values for $y = x^2 - 2$

x	-3	-2	-1	0	1	2	3
y		2	-1			2	7

(2)

(b) On the grid, draw the graph of $y = x^2 - 2$ for values of x from -3 to 3



(2)

Sparx – Homework Answers