Homework 15
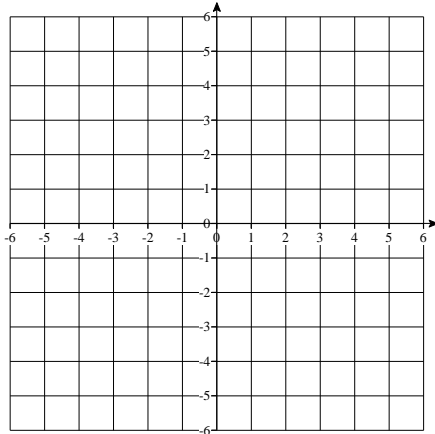
Where a question asks you to show working, you will only be awarded the mark for a correct answer if it is supported by an appropriate method.

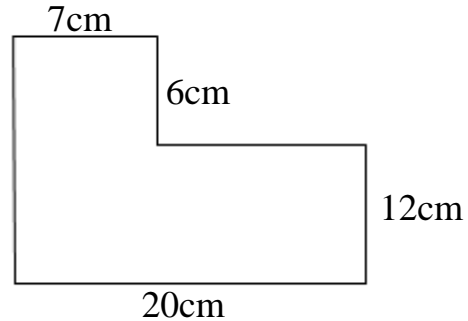Due in:

1. Circle the prime numbers and draw squares around the square numbers in the list below: 1, 19, 50, 51, 88, 121, 200, 125	3. Showing a clear written method calculate the product of 87 and 35.
2. Showing a clear written method divide 6156 by 6.	4. One ninth of an amount is 27.What is one and three-quarters of the amount?

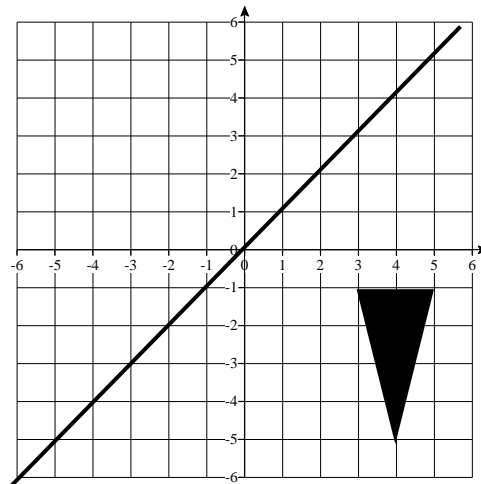|	
5. Draw the graph of y = -3 on the axes below.	8. Calculate the area of the shape below:
	7cm 6cm 20cm 12cm
6. Convert 1.98 kilometres into metres then centimetres.	9. Write down the first five terms of the following sequence: T(n) = 10n - 3
7. Solve the equation: 5(2x + 7) = 65	10. Reflect the shape in the mirror line shown.

11. The dimensions of a cuboid are: Length = 6 cm Width = 7cm Height = 9 cm What is the volume of the cuboid?	14. Substitute the values $\quad$ a = -2, b = - 5, c = 10 into the expression $\quad\quad 5a^2 + 4b + 8c$
12. One of the angles in an isosceles triangle is 98°. What are the other two angles of the triangle?	15. The mean of a set of 5 numbers is 8. Five of the numbers are 3, 10, 10, and 15. What is the fifth number?
13. Estimate the answer to $\quad \dfrac{4.9^2 \text{ x } 4.23}{13.18 + 8.07}$	16. Write 64 as the product of its prime factors.

17. A coat is reduced by 70% in the sales. It originally cost £120. How much is it in the sale?	19. If the graph of y= 5x - 7 is drawn what are the coordinates of the y intercept?
18. Calculate the answer using a clear written method: 25.87 x 7	20. A circle has a radius of 7.2 cm. What is the circumference? Give your answer to 1 decimal place.

Total: