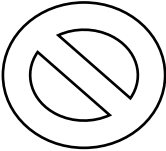
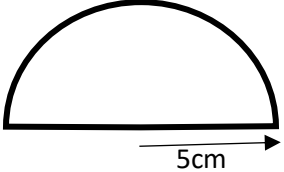


YEAR 11 HOMEWORK – 6S

Complete the questions in each box. Make sure that you show all of your workings

1. Change 11.28 m into centimetres.	2. $7 - 2 \times 3 + 5$
3. Solve $12p + 5 = 8p + 13$	4. Here are four numbers. -7 -4 4 7 Write one number in each box to make a correct calculation: + = 0

5. Write down the next 2 terms: 8, 9.5, 11, 12.5, ...	6. I have £90 to spend. I buy n books at £8 each. Write a formula for the amount of money, Q that I have left.
7. Draw on the lines of symmetry 	8. Find the perimeter : 
9. The test scores of 20 students are shown. Draw a stem and leaf diagram to find the range, and median 20, 15, 38, 18, 41, 41, 49, 16, 23, 28, 32, 17, 32, 22, 27, 16, 20, 38, 45, 25, 16	10. Write down the common factors of 12 and 30

11. Simplify:
 $3xy + 5x + 2xy - 8x$

12. Use the formula $P = b^2 - 4ac$ to work out P when $a=1$ $b = 5$ and $c = 0$

13. Find angle p

14. Write an expression for the area of the rectangle

15. Complete this table of values for $y = x^2 + 2x + 5$

x	-1	0	1	2	3
y					

16. Factorise:
 $a^2 + 9a$

17. Reflect the triangle in the line $x = -1$

18. Which shampoo is best value?
Shampoo is on sale in three sizes of bottle.

Small	Medium	Large
100 ml	300 ml	$\frac{1}{2}$ litre
79p	£1.99	£3.49

19. Use Pythagoras theorem to find the value of x

20. Increase £58 by 12%

WWW	
EBI 1	
EBI 2	