## YEAR 10 HOMEWORK – 5S

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



5. Simplify 6X <sup>4</sup> ÷ X <sup>2</sup>	6. Simplify 108X <sup>2</sup> ÷ 2
7. Write an expression for the perimeter in its simplest form	8. Expand the brackets and simplify: 2(2f + 2) + 4(p + 1)
9. Fill in the blanks in the bracket: 4P <sup>2</sup> + 16 = 2( + )	10. Find the value of P when $x = -2$ and $y = -4$ : P = $x^2 - y^2$

11. A dice is rolled. What is the probability of an even number?	12. Four small squares fit together to make a new larger square. Write an expression for the perimeter of the larger square. Perimeter= Area = x <sup>2</sup>	17. Write the following numbers in ascending order. 0.51, 0.024, 0.06, 0.309, 0.222	18. Round 7288 to the nearest 1000
<ul> <li>13. Based on the fair spinner shown.</li> <li>Impossible, Unlikely, Even, Likely, Certain</li> <li>Which word best describes:</li> <li>The arrow landing on an even number</li> </ul>	14. In a card game Jayne wins 2 out of 9 games. Estimate how many games she would win out of 63.	19. Write 2 equivalent fractions to 5 8	20. Write these fractions in ascending order: 0.25 $\frac{1}{2}$ $\frac{1}{8}$ $\frac{3}{8}$ $\frac{3}{4}$
15. Draw a number line to represent this inequality 0 < x < 3	16. Write the inequality shown on the number line	WWW EBI 1 EBI 2	
-2 -1 0 1 2 3		EBI 2	