

## Mild: Solving algebra problems

### Section A

When a number and a letter are together e.g.  $4a$  you must multiply the number and the letter together.

e.g If  $a = 3$  then  $4a = 4 \times 3 = 12$

Try these;

**If  $a = 3$  and  $b = 5$**

1.  $3a + 5b =$

2.  $4b - 2a =$

3.  $10b + a =$

### Section B

If  $a = 5$ ,  $b = 3$  and  $c = 1$ , solve these equations;

1.  $3a + b =$

2.  $2b - c =$

3.  $a + 3b =$

4.  $2b - 2c =$

5.  $a - b - c =$

6.  $5b + 7c =$

7.  $4a \div 2 =$

8.  $10c \times 10 =$

9.  $6b + 3c + 8a =$

### Section C

Simplify these equations;

**Examples:**  $a + a + a$  simplified is  **$3a$** .

$c + c - f$  simplified is  $2c - f$

10.  $h+h+h+h =$

11.  $3xf =$

12.  $b+b+b =$

13.  $g+g-g =$

14.  $d+f+d+f =$

15.  $a+b+a+2b+a =$

**To be handed in by Thursday 11<sup>th</sup> June**