|  |  |
| --- | --- |
| My score: | |
| Developing | 0-6 |
| Secure | 7-12 |
| Extending | 13-18 |

Name:

Form:

Submission date:

**Algebra homework**

Write an algebraic expression for the following:-

1. (a) 3 multiplied by y

......................... (1)

(b) c divided by a

......................... (1)

(c) c taken away from m

......................... (1)

1. Explain the meeting of each of these expressions.

(a) 4y

........................................................................ (1)

1. y²

........................................................................ (1)

1. 7 - s

........................................................................ (1)

1. Write an expression for the following:-
2. I started with x, double it and subtract 4

......................... (1)

1. I started with x, add 4 then multiplied the result by 3

......................... (1)

1. Match the following four words with the correct algebraic statement in the table below

**equation expression identity inequality**

|  |  |
| --- | --- |
| **5x – 2 < 2x + 9** |  |
| **5x – 8 = 12** |  |
| **6x + 12 = 3(2x + 4)** |  |
| **4m + 9** |  |

(3marks)

1. Simplify 3g – 4g + 5g

……………. (1 mark)

1. Simplify 3v – 4w + 5v

……………. (1 mark)

1. Expand 7(5b + 15)

……………. (1 mark)

1. Factorise 4b + 12

……………. (1 mark)

1. Simplify
2. y x y x y x y x y x y x y

……………. (1 mark)

1. (a) *x*5 × *x*–2

.....................................................................................................................................

(1)

(b) *y*5 ÷ *y*–2

.....................................................................................................................................

(1)