**RWAMAGANA DISTRICT**

**G.S MUYUMBU**

**S2 ALL**

**ASSESSMENT**

**SUBJECT : MATHEMATICS / 30 MARKS**

1. Given that x=3 , y= 4 and w= 5,

evaluate **( 3marks )**

1. Write the following in its simplest index form
2. 96 **( 2 marks )**
3. Use the quadratic identities to find the area of the rectangle whose dimensions are.

99 m by 101 m **( 3 marks )**

1. Simplify the following
2. **( 2 marks )**
3. **( 2 marks )**
4. ) **( 2 marks )**
5. Remove brackets and simplify
6. **( 3 marks )**
7. **( 2 marks )**
8. Evaluate the following
9. **( 3 marks )**
10. Given that and

Divide **( 3 marks )**

1. Given that P and Q are polynomials

Find P+Q **( 3 marks )**

1. Factorize the following:
2. 2ab + 4ac **( 2 marks )**
3. **( 2 marks )**
4. **( 2marks )**
5. **( 2 marks )**
6. Expend and simplify the following **( 3 marks )**
7. Solve the following
8. **( 3 marks )**
9. **( 3 marks )**
10. Solve the following equation for x **( 3 marks)**
11. Write the following in standard notation (scientific notation). **( 3 marks )**

0.000342

1. Rationalise the denominator. **( 3 marks )**

1. Find the value of **a**, **b** and **c** in the identity **( 3marks )**
2. If and find : **( 3marks )**

**GOOD LUCK !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**