

## Basic Algebra Worksheet #2 (A2)

Date: \_\_\_\_\_

Name: \_\_\_\_\_

1. SIMPLIFY (Place answer on line provided)

a.  $8a + 3 + 3a + 7 =$  \_\_\_\_\_

b.  $3a^2 - 2a + 5 + 2a^2 + 5a - 7 =$  \_\_\_\_\_

c.  $7a - 5b + 4 - 3a + 5b - 7 =$  \_\_\_\_\_

d.  $6y^2 - 3y - 4 - 4y^2 + 3y - 11 =$  \_\_\_\_\_

e.  $m^2 - 2mn + n^2 - m^2 + n^2 =$  \_\_\_\_\_

f.  $2x^2y - 3xy^2 + x^2y - 4x^2y - 2xy^2 =$  \_\_\_\_\_

g.  $5s - 3 + 7s + 8 - s - 9s - 5 =$  \_\_\_\_\_

h.  $4n^2 - 8n + 7 - 6 + 2n - n^2 - 3n^2 + n - 8n - n^2 =$  \_\_\_\_\_

i.  $9x^2 - 3xy - y^2 - 3x^2 - 5xy - x^2 - 5xy - x^2 - 4xy + y^2 - 7y^2 =$

\_\_\_\_\_

j.  $7b^3 - b^2 - b + 5 - 3b^2 - 3b - 6 - 4b^3 - b + 5b^2 =$  \_\_\_\_\_

2. SIMPLIFY (Place answer on line provided)

a.  $3x^2 + 2xy - 2x^2 - 3yx + 5xy =$  \_\_\_\_\_

b.  $2ab - 3ac + 5ab + 2ac - 6ab + ac =$  \_\_\_\_\_

c.  $2x^2y - 3xy^2 + 5xy - 2y^2x + 5yx^2 - 3xy^2 =$  \_\_\_\_\_

d.  $5ab^2c - 3a^2bc - 2abc^2 - 5ab^2c + 3ba^2c =$  \_\_\_\_\_

e.  $3x^2y^3 - 2x^3y^2 + 5xy^3 - 2y^3x^2 - 5y^2x^3 =$  \_\_\_\_\_