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| **QUANTITATIVE SCIENCES DEPARTMENT** | |  |
| **Course:** **A2MAA** | |
| **Topic Title**: **Skills Test 2** | |
| Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_2015 | | |
| Special Instructions: No calculator or notes | Time Allowed: 30 minutes | | |
|  | Marks: / 40 | | |

**Question 1 [1,1,1,2:5 marks]**

Simplify the following by adding like terms

a) b)

c) d)

**Question 2 [1,2,2,2,2:9 marks]**

Simplify the following

a) b)

c) d)

e)

**Question 3 [2,2,2,3,3,3,3,3:21 marks]**

Find a solution for the following equations

a) b)

c) d)

e) f)

g) h)

**Question 4 [2,3:5 marks]**

a) Find the value of if and

b) Given the formula for the perimeter of a rectangle is , find the length of a rectangle

with a perimeter of 30m and a width of 7m.