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| **MATHEMATICS DEPARTMENT** | |  |
| **Course:** **A3MAA** | |
| **Topic Title**: **Skills Test 1** | |
| Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_2016 | | |
| Special Instructions: No Calculators | Time Allowed: 20 mins | | |
|  | Marks: / 14 | | |

**Question 1**

For the recursive equation describe the sequence in words.

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**Question 2**

For the recursive equation describe the sequence in words.

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**Question 3**

State a recursive formula for the following sequence.

32, 26, 20, 14, …..

**Question 4**

Determine the first five terms for the following recursive formula

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**Question 5**

A sequence is defined by:

Find the

a)

b)

**Question 6**

Determine the general form expression for the following arithmetic sequence:

12, 23, 34, 45, 56,….