(C1-6.4) Name:

Homework Questions 4 – General Term of an Arithmetic Sequence

1. Which of the following sequences are arithmetic?

   a)   7, 17, 27, 37

   b)   12, 5, 0, -9, -17

   c)   24, 15, 6, -3, -12

   2. a) Find the 10th term and
       b) Find the formula for the nth term

   a)   4, 7, 10, 13

   b)   -3, -1, 1, 3

   c)   1, -4, -9, -13

3. Find the 20th term, if the sequence begins…

   a) 2, 6, 10, 14, 18

   b) 5, -3, -11, -19

   c) 21, 27.5, 34, 40.5, 47

4. Find the number of terms in the arithmetic sequence 4, 9, 14, 19……………169