1.1 – Extra Practice

1. Identify which of the following sequences are arithmetic. If so, determine the general term.   
   a) 1, 5, 10, 15, … b) 2, , 3, , …  
     
     
     
   c) 1, 4, 9, 16, … d)
2. Determine the 5 first terms of the following arithmetic sequences:   
   a) = 1, d = -4 b) = -6, d = 6  
     
     
     
   c) = 5m, d = 3 d) = , d =
3. Determine the 1st term and the common difference of the following arithmetic sequences:  
   a) b)   
     
     
     
   c) d)
4. Determine the number of terms of the following arithmetic sequences:   
   a) 3, 5, 7, …, 129 b) -1, 2, 5, …, 164  
     
     
     
   c) -29, -24, -19, …, 126 d)
5. Let , and be 3 consecutive terms of an arithmetic sequence, Determine the value of *x*.