Name: _____   Class: _____

Fibonacci-Sequence

1. The first 4 numbers in the Fibonacci sequence are 1, 1, 2, 3…………

  a) What is the 5th term of the Fibonacci sequence?
  b) What is the 6th term of the Fibonacci sequence?
  c) Describe the rule for continuing the Fibonacci sequence.

2. Find the next three terms of the following Fibonacci-style sequences

  a) 2, 4, 6, 10, _, _, _
  b) 3, 6, 9, 15, _, _, _
  c) -3, 5, 2, 7, _, _, _

3. Find the missing term in each of the Fibonacci-style sequences below.

  a) _, _, 13, 20, 33, ……….
  b) 11, _, _, 26, 41, ……….
  c) _, _ , 3.7, 4.9, 8.6, ……….

4. For each of the following Fibonacci-style sequences, find the next 4 terms.

  a) a, 4a, 5a, 9a, _, _, _, _
  b) 3x, 3x + y, 6x + y, 9x + 2y, _, _, _, _
  c) 4x - 5y, 2x - y, 6x - 6y, _, _, _, _