Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the next three terms in each sequence.

1) 15 21 ,27, 33, −−−−, −−−−, −−−−

2) −4, 12, −36, 108, −−−−, −−−−, −−−−

3) 51, 47, 43, 39, −−−−, −−−−, −−−−

4) 100, 10, 1, 0.1, −−−−, −−−−, −−−−

5) 1, 2, 4, 8, −−−−, −−−−, −−−−

6) 72, 53, 34, 15, −−−−, −−−−, −−−−

Find the missing terms in the sequences.

7) 1, 4, −−−−, 16, 25, −−−−

8) 3, 34, −−−−, 56, −−−−

9) 0, 2, −−−−, 9, 14,−−−−

10) 1, −−−−, 27, 64, 125, −−−−

11) 5, −−−−, 11, 17, 28, −−−−, 73

12) 3, 8, −−−−, 24, −−−−, 48

13) 1, 1, 2, −−−−, 5, −−−−, 13

14) Do any of the problems above have a constant difference? If so, which ones and what is the constant?

15) Do any of the problems above have a common ratio? If so, which ones and what is the ratio?