Quiz Review on 11-1 and 11-2 Name: _____ Hour: _____

Describe the pattern in the sequence. Find the next three terms.

1. 13, 15, 17, 19, ...

2. 4, 8, 16, 32, ...

3. 4, -1, -6, . . .

4. 125, 25, 5, . .

5. Write a recursive formula for the sequence 8, 10, 12, 14, 16, ... Then find the next term.

6. Write an explicit formula for the sequence 7, 2, –3, –8, –13, ... Then find a_{14}.

7. The table shows the predicted growth of a particular bacteria after various numbers of hours. Write an explicit formula for the sequence of the number of bacteria.

Hours (n)	1	2	3	4	5
Number of Bacteria	19	38	57	76	95

Is the sequence arithmetic? If so, identify the common difference.

8. 13, 20, 27, 34, ...

9. 14, 21, 42, 77, ...

10. –2.4, 9.8, 22, 34.2, ...