CW 5.1A on Arithmetic Sequences

For #'s 1-4: Are the following sequences arithmetic, geometric, or neither? If arithmetic find the common difference to justify your answer, if geometric find the common ratio to justify your answer.

1. 2, 9, 16, 23, ….

2. -1, 1, -2, 2, ….

3. -6, -2, 2, 6, ….

4. $\frac{1}{4}, \frac{1}{2}, 1, 2, \ldots$

5. Referring to a sequence, what does $f(8) = 200$ mean?

6. Find the 21st term given : $f(n) = 4n + 5$

7. Given the recursive formula and the 1st term, find the next 2 terms.

$f(n) = f(n-1) + 7;\ f(1) = -2$ (write a notation line, and a value line)