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

Use the nth term rule to generate the indicated terms in each sequence.

1) 2n+7, terms 1−5 and the 10th term.

2) −5n−1, terms 1−3 and the 50th term.

3) 2n−1, terms 1−3 and the 10th term.

4) (12)n, terms 1−3 and the 8th term.

5) n(n+1)2, terms 1−4 and the 20th term.

Write the nth term rule for the following sequences.

6) 3, 5, 7, 9,…

7) 1, 7, 25, 79,…

8) 6, 14, 24, 36,…

9) 6, 5, 4, 3,…

10) 2, 5, 9, 14,…