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Number Sequences

Name: _____

Date: _____

For each sequence, find the next term. Write the rule you used.

1. **6, 9, 14, 21, 30,** ____

Rule: _____

2. **1, 4, 9, 16, 25,** ____

Rule: _____

3. **7, 16, 31, 52, 79,** ____

Rule: _____

4. **5, 8, 13, 20, 29,** ____

Rule: _____

5. **7, 13, 23, 37, 55,** ____

Rule: _____

6. **3, 12, 27, 48, 75,** ____

Rule: _____

7. **3, 9, 19, 33, 51,** ____

Rule: _____

8. **4, 10, 20, 34, 52,** ____

Rule: _____

9. **8, 17, 32, 53, 80,** ____

Rule: _____

10. **3, 9, 19, 33, 51,** ____

Rule: _____



Number Sequences

1. next = 41 (rule: n^2 pattern (add $1(2n+1)$))
2. next = 36 (rule: n^2 pattern (add $1(2n+1)$))
3. next = 112 (rule: n^2 pattern (add $3(2n+1)$))
4. next = 40 (rule: n^2 pattern (add $1(2n+1)$))
5. next = 77 (rule: n^2 pattern (add $2(2n+1)$))
6. next = 108 (rule: n^2 pattern (add $3(2n+1)$))
7. next = 73 (rule: n^2 pattern (add $2(2n+1)$))
8. next = 74 (rule: n^2 pattern (add $2(2n+1)$))
9. next = 113 (rule: n^2 pattern (add $3(2n+1)$))
10. next = 73 (rule: n^2 pattern (add $2(2n+1)$))