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Number Sequences

Name: _____

Date: _____

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

1. 1, -7, -15, -23, -31, ____

Rule: _____

2. 3, 6, 12, 24, 48, ____

Rule: _____

3. 5, 8, 13, 20, 29, ____

Rule: _____

4. 19, 13, 7, 1, -5, ____

Rule: _____

5. 3, 6, 12, 24, 48, ____

Rule: _____

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

Rule: _____

7. 4, 13, 22, 31, 40, ____

Rule: _____

8. 3, 9, 27, 81, 243, ____

Rule: _____

9. 5, 8, 13, 20, 29, ____

Rule: _____

10. 15, 23, 31, 39, 47, ____

Rule: _____

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Number Sequences

1. next = -39 (rule: add -8)
2. next = 96 (rule: multiply by 2)
3. next = 40 (rule: n^2 pattern (add $1(2n+1)$))
4. next = -11 (rule: add -6)
5. next = 96 (rule: multiply by 2)
6. next = 108 (rule: n^2 pattern (add $3(2n+1)$))
7. next = 49 (rule: add 9)
8. next = 729 (rule: multiply by 3)
9. next = 40 (rule: n^2 pattern (add $1(2n+1)$))
10. next = 55 (rule: add 8)