

Pattern Perfect

Write a rule for each pattern. Then use your rule to find the next two terms in the pattern.

1 1, 4, 9, 16, 25, 36, 49, . . .

2 1, 1, 2, 3, 5, 8, 13, 21, 34, . . .

3 1, 3, 6, 10, 15, 21, 28, 36, . . .

4 Stretch Your Thinking Find a rule for the pattern below without using inverse operations (such as “subtract 4, add 4”).

8, 4, 8, 4, 8, 4, 8, 4, . . .

Then create a similar pattern of your own and give its rule.
