1. Here are the first five terms of a sequence.

        2   10   24   44   70

   An expression for the nth term of this sequence is $3n^2 - n$

   Write down in terms of n, an expression for the nth term of a sequence whose first five terms are

        -2   -10   -24   -44   -70

   1. ....

2. Here are the first five terms of a sequence.

      -2   -5   -10   -17   -26

An expression for the nth term of this sequence is $-n^2 - 1$

Write down in terms of n, an expression for the nth term of a sequence whose first five terms are

      -4   -10   -20   -34   -52

2. ....

3. Here are the first five terms of a sequence.

     -4   -6   -6   -4   0

An expression for the nth term of this sequence is $n^2 - 5n$

Write down in terms of n, an expression for the nth term of a sequence whose first five terms are

     4   6   6   4   0

3. ....

4. Here are the first five terms of a sequence.

      -7   -4   1   8   17

An expression for the nth term of this sequence is $n^2 - 8$

Write down in terms of n, an expression for the nth term of a sequence whose first five terms are

      -4   -1   4   11   20

4. ....

Answers

1. $-3n^2 + n$

2. $-2n^2 - 2$

3. $-n^2 + 5n$

4. $n^2 - 5$