

The n th term of a quadratic sequence

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1 Find the n th term of 2, 11, 26, 47, 74, ...

2 Find the n th term of 4, 11, 20, 31, 44, ...

3 Ella says the n th term of 5, 8, 13, 20, 29, ... is $2n^2 + 3$.
Is she right? Explain how you know.

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