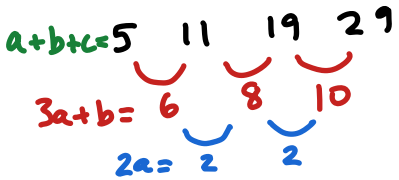
1 Here are the first 5 terms of a quadratic sequence.

5 11 19 29 41

Find an expression, in terms of n, for the nth term of this sequence.



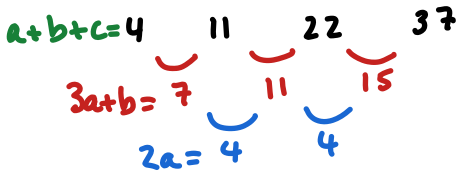
$a = 1$ $b = 3$ $c = 1$

$n^2 + 3n + 1$

2 Here are the first 5 terms of a quadratic sequence.

4 11 22 37 56

Find an expression, in terms of n, for the nth term of this sequence.



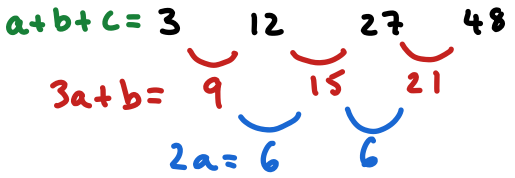
$a = 2$ $b = 1$ $c = 1$

$2n^2 + n + 1$

3 Here are the first 5 terms of a quadratic sequence.

3 12 27 48 75

Find an expression, in terms of n, for the nth term of this sequence.



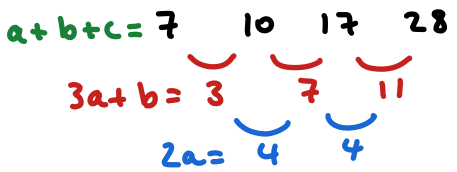
$a = 3$ $b = 0$ $c = 0$

$3n^2$

4 Here are the first 5 terms of a quadratic sequence.

7 10 17 28 43

Find an expression, in terms of n, for the nth term of this sequence.



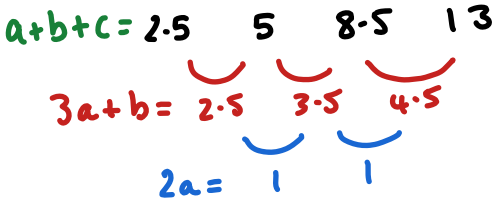
$a = 2$ $b = -3$ $c = 8$

$2n^2 - 3n + 8$

5 Here are the first 5 terms of a quadratic sequence.

2.5 5 8.5 13 18.5

Find an expression, in terms of n, for the nth term of this sequence.



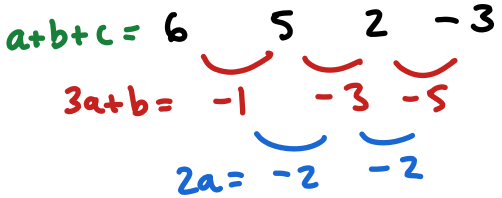
$a = 0.5$ $b = 1$ $c = 1$

$0.5n^2 + n + 1$

6 Here are the first 5 terms of a quadratic sequence.

6 5 2 -3 −10

Find an expression, in terms of n, for the nth term of this sequence.



$a = -1$ $b = 2$ $c = 5$

$-n^2 + 2n + 5$

7 Here are the first 5 terms of a quadratic sequence.

-17 -30 -49 -74 −105

Find an expression, in terms of n, for the nth term of this sequence.



$a = -3$ $b = -4$ $c = -10$

$-3n^2 - 4n - 10$

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