

Name : _____

Finding n^{th} Term

- 1) Find the 7th term of the sequence 1, 13, 33, 61, ... using recursive formula.

- 2) The sequence is -1, 2, 7, 14, 23, ... Find the 9th term using recursive formula.

- 3) The sequence is 1, 4, 9, 16, 25, ... Find the 10th term using recursive formula.

- 4) Find the 6th term of the sequence 1, 3, 5, 7, 9, ... using recursive formula.

- 5) The sequence is -123, -246, -369, -492, ... Find the 10th term using recursive formula.

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Finding nth Term

- 1) Find the 7th term of the sequence 1, 13, 33, 61, ... using recursive formula.

$$\underline{a_n = a_{n-1} + 4(2n - 1) ; a_7 = 193}$$

- 2) The sequence is -1, 2, 7, 14, 23, ... Find the 9th term using recursive formula.

$$\underline{a_n = a_{n-1} + 2n - 1}$$

- 3) The sequence is 1, 3, 6, 10, 15, ... Find the 10th term using recursive formula.

$$\underline{a_n = a_{n-1} + n}$$

- 4) Find the 6th term of the sequence 1, 2, 4, 8, 16, ... using recursive formula.

$$\underline{a_n = a_{n-1} \cdot n ; a_6 = 360}$$

- 5) The sequence is -123, -246, -369, -492, ... Find the 10th term using recursive formula.

$$\underline{a_n = a_{n-1} - 123 ; a_{10} = -1230}$$

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