New Maths GCSE: A23 - Find terms and generate other sequences

Name:..... Date:.....

In the sequence with nth term rule:

$n^2 + 2$

What is the 1st term?

A 3 B 4

C 9 D 14

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

$n^2 + 2$

What is the 5th term?

A 9 B 12

C 49 D 27

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

$(n-1)^2$

What is the 4th term?

A 15 B 9

C 14 D 6

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

$3n^2$

What is the 3rd term?

A 27 B 18

C 9 D 81

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

2^n

What is the 1st term?

A 0 B 1

C 2 D 3

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

2^n

What is the 4th term?

A 6 B 16

C 8 D 24

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

3^n

What is the 1st term?

A 0 B 1

C 3 D 4

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

3^n

What is the 3rd term?

A 9 B 27

C 81 D 6

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

$$\frac{n^2+1}{3n}$$

What is the 1st term?

A $\frac{2}{3}$ B 1 C $\frac{2n}{3}$ D $\frac{13}{31}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

In the sequence with nth term rule:

$$\frac{7-n}{n^2+1}$$

What is the 1st term?

A 7 B 2 C $\frac{7}{n}$ D 3

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....