Arithmetic Sequences · 1

Write a rule for the nth term of the arithmetic sequence -4, 1, 6, 11, ...

Arithmetic Sequences · 2

In the arithmetic sequence 8, 2, -4, -10, ..., the number -220 is the nth term. Find n.

Arithmetic Sequences · 3

In an arithmetic sequence, $a_3 = 15$ and $a_{10} = 29$. Write a rule for the nth term.

Arithmetic Sequences · 4

Write a rule for the nth term of the arithmetic sequence -13, -3, 7, 17, ...

Arithmetic Sequences · 5

In the arithmetic sequence 18, 23, 28, 33, ..., the number 123 is the nth term. Find n.

Arithmetic Sequences · 6

In an arithmetic sequence, $a_2 = 19$ and $a_5 = 31$. Write a rule for the nth term.

Arithmetic Sequences · 7

Write a rule for the nth term of the arithmetic sequence -11, -18, -25, -32, ...

Arithmetic Sequences · 8

In the arithmetic sequence -9, -11, -13, -15, ..., the number -67 is the nth term. Find n.

Arithmetic Sequences · 2

ANSWER

39

Arithmetic Sequences · 1

ANSWER

$a_n = 5n - 9$

Arithmetic Sequences · 4

ANSWER

$a_n = 10n - 23$

Arithmetic Sequences · 3

ANSWER

$a_n = 2n + 9$

Arithmetic Sequences · 6

ANSWER

$a_n = 4n + 11$

Arithmetic Sequences · 5

ANSWER

22

Arithmetic Sequences · 8

ANSWER

30

Arithmetic Sequences · 7

ANSWER

$a_n = -7n - 4$

Arithmetic Sequences · 9

In an arithmetic sequence, $a_5 = 37$ and $a_{10} = 87$. Write a rule for the nth term.

Arithmetic Sequences · 10

Write a rule for the nth term of the arithmetic sequence 20, 30, 40, 50, ...

Arithmetic Sequences · 11

In the arithmetic sequence 14, 4, -6, -16, ..., the number -326 is the nth term. Find n.

Arithmetic Sequences · 12

In an arithmetic sequence, $a_4 = -23$ and $a_{12} = -47$. Write a rule for the nth term.

Arithmetic Sequences · 13

Write a rule for the nth term of the arithmetic sequence -3, -2, -1, 0, ...

Arithmetic Sequences · 14

In the arithmetic sequence -13, -5, 3, 11, ..., the number 163 is the nth term. Find n.

Arithmetic Sequences · 15

In an arithmetic sequence, $a_4 = 3$ and $a_{10} = 27$. Write a rule for the nth term.

Arithmetic Sequences · 16

Write a rule for the nth term of the arithmetic sequence 7, 0, -7, -14, ...

Arithmetic Sequences · 10

ANSWER

$a_n = 10n + 10$

Arithmetic Sequences · 9

ANSWER

$a_n = 10n - 13$

Arithmetic Sequences · 12

ANSWER

$a_n = -3n - 11$

Arithmetic Sequences · 11

ANSWER

35

Arithmetic Sequences · 14

ANSWER

23

Arithmetic Sequences · 13

ANSWER

$a_n = n - 4$

Arithmetic Sequences · 16

ANSWER

$a_n = -7n + 14$

Arithmetic Sequences · 15

ANSWER

$a_n = 4n - 13$

Arithmetic Sequences · 17

In the arithmetic sequence 5, 15, 25, 35, ..., the number 325 is the nth term. Find n.

Arithmetic Sequences · 18

In an arithmetic sequence, $a_5 = -32$ and $a_{12} = -95$. Write a rule for the nth term.

Arithmetic Sequences · 19

Write a rule for the nth term of the arithmetic sequence -14, -24, -34, -44, ...

Arithmetic Sequences · 20

In the arithmetic sequence 8, 0, -8, -16, ..., the number -256 is the nth term. Find n.

Arithmetic Sequences · 21

In an arithmetic sequence, $a_2 = 3$ and $a_9 = -46$. Write a rule for the nth term.

Arithmetic Sequences · 22

Write a rule for the nth term of the arithmetic sequence 4, 6, 8, 10, ...

Arithmetic Sequences · 23

In the arithmetic sequence -3, -5, -7, -9, ..., the number -81 is the nth term. Find n.

Arithmetic Sequences · 24

In an arithmetic sequence, $a_2 = 11$ and $a_5 = 44$. Write a rule for the nth term.

Arithmetic Sequences · 18

ANSWER

$a_n = -9n + 13$

Arithmetic Sequences · 17

ANSWER

33

Arithmetic Sequences · 20

ANSWER

34

Arithmetic Sequences · 19

ANSWER

$a_n = -10n - 4$

Arithmetic Sequences · 22

ANSWER

$a_n = 2n + 2$

Arithmetic Sequences · 21

ANSWER

$a_n = -7n + 17$

Arithmetic Sequences · 24

ANSWER

$a_n = 11n - 11$

Arithmetic Sequences · 23

ANSWER

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