Find x_3 if $x_{n+1} = (x_n - 3)^2$ and $x_1 = 5$

3

Find x_4 if $x_n = 3x_{n-1} - 2$ and $x_1 = 2$

56

Find $\sum_{r=1}^{5} (2r-1)$

40

A sequence is defined by the recurrence relation $u_{n+1} = ku_n - 10$. Given that $u_1 = 3$ and $u_2 = 23$, find k.

0, 6, 24

Find x_2 if $x_{n+1} = \sqrt{\frac{x_n}{4} + \frac{32}{x_n}}$ and $x_1 = 4$

$a^2 + 3a + 3$

Find $\sum_{r=1}^{4} (2-3r)$

39

Find $\sum_{r=3}^{8} (2r-1)^2$

16

A sequence is defined by the recurrence relation $u_{n+1} = ku_n - 5$. Given that $u_1 = 7$ and $u_2 = 23$, find k.

-64

Find x_3 if $x_{n+1} = 3x_n - 7$ and $x_1 = 4$

Find x_3 in terms of a if $x_n = 3x_{n-1} + 2$ and $x_1 = a$

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Find x_{20} if $x_n = -x_{n-1}$ and $x_1 = 4$

20

A sequence is defined by the recurrence relation $u_n = ku_{n-1} + 7$. Given that $u_1 = 8$ and $u_2 = 23$, find k.

19

A sequence is defined by the recurrence relation $u_{n+1} = ku_n + 5$. Given that $u_1 = 3$ and $u_2 = 23$, find k.

74

The first three terms of the sequence whose nth term is given by $(5n^2 - 3n)$ are...

-4

he first three terms of the sequence whose nth term is given by $(n^3 - n)$ are...

48

A sequence is defined by the recurrence relation $u_n = ku_{n-1} - 7$. Given that $u_1 = 6$ and $u_2 = 23$, find k.

2

Find x_3 in terms of a if $x_n = ax_{n-1} - 5$ and $x_1 = 1$

$9a + 8$

A sequence is defined by $a_k = 3^k$. Find $\sum_{1}^{3} a_k$

2,14,36

Find x_4 if $x_{n+1} = (x_n - 1)^2$ and $x_1 = 3$

1

$-2, -7, -12$

8

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Find x_{101} if $x_n = -x_{n-1}$ and $x_1 = 16$

25

5

4

A sequence is defined by $a_k = k^2 - 3$.

Find $\sum_{1}^{5} a_k$

9

A sequence is defined by $a_k = 2^{k-1}$.

Find $\sum_{3}^{6} a_k$

11

-22

Find $\sum_{r=1}^{4} (2r^2 - 1)$

60

A sequence is defined by the recurrence relation $x_{n+1} = 2x_n(7 - x_n)$. Given that $x_1 = 5$, what is x_2?

8, 18, 30

The first three terms of the sequence whose nth term is given by $(3 - 5n)$ are...

Find x_3 in terms of a if $x_n = ax_{n-1} + 3$ and $x_1 = 1$

Find x_3 in terms of a if $x_n = a - 4x_{n-1}$ and $x_1 = 1$

$16 - 3a$

Find x_3 if $x_n = (x_{n-1} - 3)^3$ and $x_1 = 2$

$a^2 - 5a - 5$

The first three terms of the sequence whose nth term is given by $(n^2 + 7n)$ are...

64

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