



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

 $x_{n+1} = 3 - \frac{1}{x_n}$

Using a starting value of $x_1 = 2$, what is the value of x_2 ?

A 3.5

^B 2.5

С

1

D

Correct Answer: A B C D

.....

.....

Correct Answer: A B C D

Explanation:

Explanation:

2

Using a starting value of $x_1 = 2$, what is the value of x_3 ?

Using a starting value of $x_1 = 2$, what is the solution to $x = 3 - \frac{1}{r}$ to 2 decimal places?

Α

2.6

0.5

С

2.5

2.666 ...

Correct Answer: A B C D

Explanation:

2.6

2.6180 ...

С

2.61

2.62

.....

$x_{n+1} = \sqrt{4 - x_n}$

Using a starting value of $x_1 = 1$, what is the value of x_2 ?

- 1.414 ... 2
- **□** 1.732 ... **□** 3

Correct Answer: A B C D

Explanation:

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$x_{n+1} = \sqrt{4 - x_n}$

Using a starting value of $x_1 = 1$, what is the value of x_3 ?

- A 1
- **1.505** ...
- **□** 1.579 ... **□** 1.732 ...

Correct Answer: A B C D

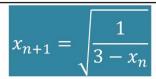
Explanation:

$x_{n+1} = \sqrt{4 - x_n}$

Using a starting value of $x_1 = 1$, what is the solution to $x = \sqrt{4 - x}$ to 3 decimal places?

- △ 1.562 B
- 1.556
- **□** 1.563 **□** 1.561

Correct Answer: A B C D Explanation:



Using a starting value of $x_1 = 0.6$, what is the value of x_2 ?

- 0.6454 ... 0.4166 ...
- o.25 1.2909 ...

Correct Answer: A B C D

Explanation:

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$$x_{n+1} = \sqrt{\frac{1}{3 - x_n}}$$

Using a starting value of $x_1 = 0.6$, what is the value of x_3 ?

- 0.6454 ... **■** 0.3870 ...
- **□** 0.6525 ... **□** 0.6517 ...

Correct Answer: A B C D

Explanation:

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$x_{n+1} = $	1
	$\overline{3-x_n}$

Using a starting value of $x_1 = 0.6$, what is the solution to $x = \sqrt{\frac{1}{3-x}}$ to 4 decimal places?

- 0.6527
- 0.6526
- **o** 0.6525 **o** 0.653

Correct Answer: A B C D

Explanation: