We do

$x_0 = 5$. Find x_1, x_2 and x_3.

$$x_{n+1} = 2x_n - 3$$

x_0	x_1	x_2	x_3
5 →			

$x_1 =$

$x_2 =$

$x_3 =$

You do

$x_0 = 1$. Find x_1, x_2 and x_3.

$$x_{n+1} = \frac{x_n + 9}{2}$$

x_0	x_1	x_2	x_3
1 →			

$x_1 =$

$x_2 =$

$x_3 =$

You do

$x_0 = 6$. Find x_1, x_2 and x_3.

$$x_{n+1} = 20 - 2x_n$$

x_0	x_1	x_2	x_3
6 →			

$x_1 =$

$x_2 =$

$x_3 =$

We do

$x_0 = 1$. Find x_1, x_2 and x_3 to 3 decimal places.

$$x_{n+1} = \frac{2x_n + 5}{3}$$

x_0	x_1	x_2	x_3
1 →			

$x_1 =$

$x_2 =$

$x_3 =$

You do

$x_0 = 5$. Find x_1, x_2 and x_3 to 3 decimal places.

$$x_{n+1} = \sqrt{x_n + 2}$$

x_0	x_1	x_2	x_3
5 →			

$x_1 =$

$x_2 =$

$x_3 =$

You do

$x_0 = 1$. Find x_1, x_2 and x_3 to 3 decimal places.

$$x_{n+1} = \frac{x_n^2 + 4}{6}$$

x_0	x_1	x_2	x_3
1 →			

$x_1 =$

$x_2 =$

$x_3 =$

We do

$x_0 = 3$. Keep going until two values in a row agree to 2 decimal places.

$$x_{n+1} = \sqrt{x_n + 10}$$

	4 d.p.	2 d.p.
x_1		
x_2		
x_3		
x_4		
x_5		

Solution _____ **(2 d.p.)**

You do

$x_0 = 4$. Keep going until two values in a row agree to 2 decimal places.

$$x_{n+1} = \sqrt{x_n + 15}$$

	4 d.p.	2 d.p.
x_1		
x_2		
x_3		
x_4		
x_5		

Solution _____ **(2 d.p.)**

You do

$x_0 = 3$. Keep going until two values in a row agree to 2 decimal places.

$$x_{n+1} = \sqrt{x_n + 9}$$

	4 d.p.	2 d.p.
x_1		
x_2		
x_3		
x_4		
x_5		

Solution _____ **(2 d.p.)**