1.6544

Use the iterative formula $x_{n+1}=\ln(x_n+7)+3$ *with* $x_1=5.5$ *to find a solution correct to 4 decimal places*

Use the iterative formula $x_{n+1}=\frac{\ln(x_n+6)}{\ln 5}$ *with* $x_1=0.5$ *to find* x_4 *correct to 4 decimal places*

0.5984

Use the iterative formula $x_n=\sqrt[5]{31-10x_{n-1}}$ *with* $x_0=2$ *to find a solution correct to 4 decimal places*

5.5280

−2.2114

Use the iterative formula $x_{n+1}=-\sqrt{5-e^{x_n}}$ *with* $x_0=-2$ *to find* x_3 *correct to 4 decimal places*

Use the iterative formula $x_{n+1}=\sqrt{\frac{5x_n+12}{x_n+2}}$ *with* $x_1=0$ *to find* x_4 *correct to 4 decimal places*

2.6923

4.2242

0.2041

−0.5776

formula
th $x_1=1.85$
to 4 decimal places

1.5530

Use the iterative formula
$x_{n+1} = \frac{1}{4}\tan^{-1}\left(\frac{1}{4x_n}\right)$ with $x_1 = 0.2$
to find x_4 correct to 4 decimal places

Use the iterative formula
$x_{n+1} = \frac{2 - x_n^3}{3}$ with $x_1 = 0.6$
to find a solution correct to 4 decimal places

1.6961

−2.2114

Use the iterative formula
$x_{n+1} = \sqrt{5 + \frac{6}{x_n}}$ with $x_1 = 2$
to find x_4 correct to 4 decimal places

−0.1594

0.2180

Use the iterative formula
$x_{n+1} = \frac{1}{8}(5 - x_n^3)$ with $x_1 = 0.5$
to find x_4 correct to 4 decimal places

Use the iterative formula
$x_{n+1} = \frac{4}{x_n^2} + 4$ with $x_1 = 4.5$
to find a solution correct to 4 decimal places

1.8724

2.7330

Use the iterative formula
$x_{n+1} = \frac{1}{8}(\cos^{-1} x_n - 3)$ with $x_1 = -0.2$
to find x_3 correct to 4 decimal places

Use the iterative formula
$x_{n+1} = -\sqrt{5 - e^{x_n}}$ with $x_0 = -1$
to find x_3 correct to 4 decimal places

0.5902

Use the iterative formula
$x_{n+1} = \sqrt{6 + \frac{4}{x_n}}$ with $x_1 = 2$
to find x_4 correct to 4 decimal places

2.3370

Use the iterative formula
$x_{n+1} = \frac{1}{5}(x_n^4 - 3)$ with $x_1 = -0.6$
to find x_4 correct to 4 decimal places

Use the iterative formula
$x_{n+1} = \frac{4}{5}\tan^{-1}\left(\frac{1}{4x_n}\right)$ with $x_1 = 4$
to find x_4 correct to 4 decimal places