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Pop Quiz #12

Pop Quiz # 12

5/7 points (graded)

In the following, write your BRACU ID# and section number first. After you submit the quiz, it will show that the ID# and Section numbers are wrong. Please ignore this messages. You score will based on the MCQs only.

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Your BracU ID #

19101239   ✘

Your Theory class section #:

☐ 1

☐ 2

✎

☐ –

☐ 3

☐ 4

☐ 5

☑ 6

✖

Below are the MCQs:

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Q#1: If $\lambda = 0.45 g(x)$ would

○ Superlinear Convergence

◉ Converge linearly

○ Diverge

○ Numerical Approximation is redundant

✔

Q#2: If $g(2) = 2$ and $g(3) = 3$ what happens according to contraction mapping theorem?

○ $\lambda = 0$

○ $\lambda > 1$

◉ $\lambda = 1$

○ $\lambda < 0$

✔

Q#3: The most desirable convergence rate is:.

◉ Superlinear Convergence

○ Divergence

○ Linear Convergence

○ Non linear Convergence

✔

Q#4:If $\lambda = 0$, $g\left(x\right)$ would

○ Diverge

◉ Superlinear Convergence

○ Converge linearly

○ Numerical Approximation is redundant

✔

Q#5: If $\lambda = 5.35$ then $g\left(x\right)$ will

○ Converge linearly

○ Superlinear Convergence

○ Diverge

○ Numerical Approximation is redundant

✔

Submit   You have used 1 of 3 attempts

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