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**Problem Set 2**

**Question 1:** If  $g(x) = x^2 - 3$  has a root in  $[1,3]$ . Use the bisection method to approximate the root that is accurate to at least within  $10^{-2}$ .

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Question 2: If  $g(x) = x^2 - 3$  has a root in  $[1,3]$ . How many iterations are needed for the bisection to get an error of less than  $10^{-2}$ .

**GOOD LUCK!**

**STUDY + LEARN + SOLVE QUIZ 2 = PASS QUIZ 2**

Best Regards

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