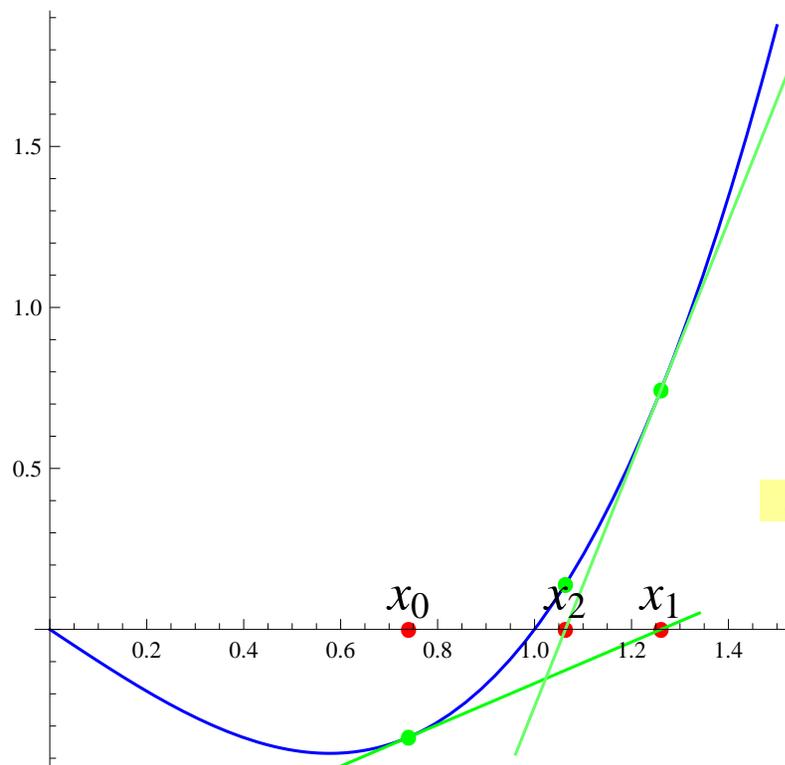


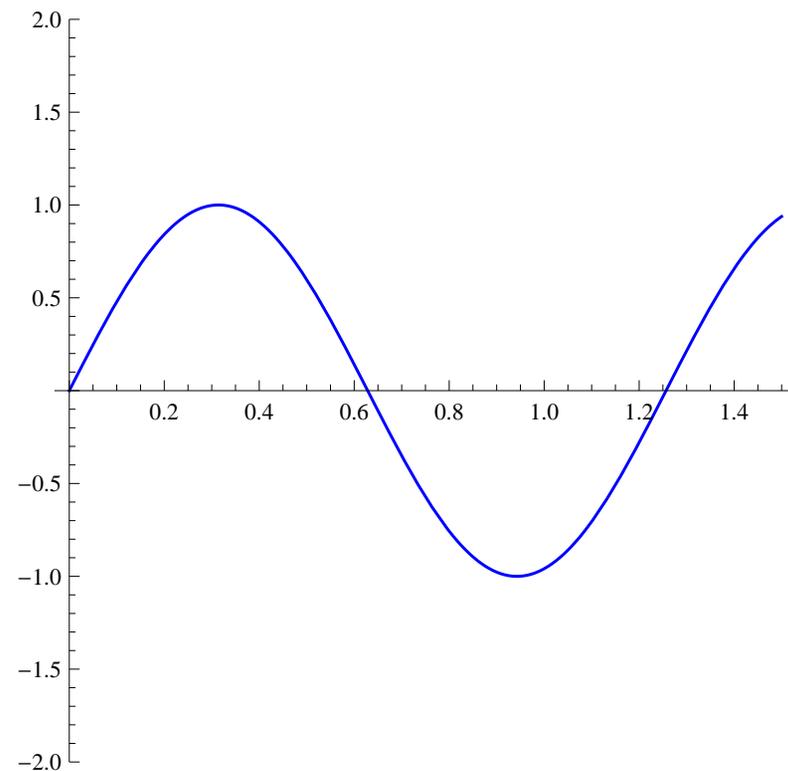
Lecture 14: Worksheet

Newton Method

1 In the following graph, trace the two Newton steps already done. Add one more!



2 In the following graph, try a few Newton steps. Let your starting point x_0 be around 0.4.



3 We will together compute the square root of 2 to an accuracy of 12 digits. Without computer.