Hint to Problem 3.8/28

In part (b), take the initial guess to be $x_1 = 1$.

To perform the numerical computations in part (b), use a calculator or a computer that gives you at least 8 digits after the decimal point, and write all the 8 digits of the numbers x_1, x_2, ... (stop when the first 6 digits after the decimal point start repeating).