

Homework 2 of Computational Mathematics

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1. Let $p_0 = 1$, $f(x) = x^3 - x - 1$. Then, $p_1 = f(p_0) = 1 - 1 - 1 = -1$. And since $f(-1) = (-1) - (-1) - 1 = -1$, -1 is fixed point. Thus,
- 2.