Worksheet 15
12/06/2022

We use Newton's method to approximate $\sqrt[3]{3}$. Do the following steps.

1. Find a function f of which $\sqrt[3]{3}$ is a root.

2. Write the iteration formula of Newton's method.

3. Pick a point x_0 as the initial iteration. The closer it is to $\sqrt[3]{3}$ the better.

4. What do you get for x_4?