

4. Compute the zero of $f(x) = x^3 - 3x + 1$ on $[0, 1]$ using the Bisection method. Carry out just three steps.

5. If Newton's method is used on $f(x) = x^3 - x + 1$ starting with $x_0 = -2$, what will x_3 be?

6. If we use the secant method on $f(x) = x^3 - 2x + 2$ starting with $x_0 = 0$ and $x_1 = 1$, what is x_3 ?