

Math 240 — Secant Method

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Use the secant method code to find the following.

1. Find the root of $f(x) = x^2 - 2$, to estimate $\sqrt{2}$ starting with $x_0 = 1$ and $x_1 = 2$. Do a maximum number of 10 iterations.
2. Find the root of $f(x) = e^x - 2$, to estimate $\ln(2)$ starting with $x_0 = 0$ and $x_1 = 3$. Do a maximum number of 10 iterations.

Copy and paste your print ups for each answer into the prompt in Moodle.