

ASSIGNMENT I:

1. Find the decimal equivalent:

0 0111111111 01010011000.

2. Let $f(x) = 3(x + 1)\left(x - \frac{1}{2}\right)(x - 1)$. Use the Bisection method on the interval $[-2, 1.5]$ to find p_4 .
3. Use the Bisection method to find an approximation to $\sqrt{3}$ that is accurate to within 10^{-4} .