## Second set of Problems. Second part of two.

1. Give an algorithm for computing all zeros of a function $f:[a, b] \rightarrow \mathbb{R}, f \in \mathcal{C}^{1}$, using interval arithmetic.
2. Generalize the previous algorithm for functions defined in boxes in $\mathbb{R}^{n}$.
3. Give an algorithm for computing all zeros of a polynomial. Is this algorithm different from the one you gave in Exercise 1?
