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> # Max Mekhanikov - Attendance Question 1
  Help9():
  # Find the fixed points of the mapping x -> 3.6x if it exists and the stable fixed points
  # f:=3.6*x*(1-x);
                                                                 f := 3.6 (1 - x) x
> 0rb(f,x,0.0001,1000,1020):
  FP(F,x):
  \# f'(x) = 3.6-7.2x, f'(0) determines stability
  # **NEED MAPLE CODE ORB AND HELP9() TO PROPERLY EXECUTE AND FIND VALUES**
```

Error, missing operator or ;

> # According to Google, in mathematics, specifically bifurcation theory, the Feigenbaum constants are two mathematical constants which both express ratios in a bifurcation diagram for a non-linear map. They are named after the physicist Mitchell J. Feigenbaum. The first Feigenbaum constant of is the limiting ratio of each bifurcation interval to the next between every period doubling, of a one-parameter map = 4.669. The second Feigenbaum constant or Feigenbaum's alpha constant is the ratio between the width of a tine and the width of one of its two subtines (except the tine closest to the fold, alpha = 2.502). A negative sign is applied to a when the ratio between the lower subtine and the width of the tine is measured.

Attendance Question 2 - What other constant did Figenbaum discover and what was its significance?