

# Algorithm: Secant Method

- Read a, b, E
- Set  $m = \left[ \frac{a*f(b)-b*f(a)}{f(b)-f(a)} \right]$
- Set i = 1
- While ( |f(m)| > E ) do
  - Print i, a, b, m, f(m)
  - a = b, b = m
  - $m = \left[ \frac{a*f(b)-b*f(a)}{f(b)-f(a)} \right]$
  - i = i + 1End while

- Print i, a, b, m, f(m)

- Print (Root = m)

END