# Secant Method
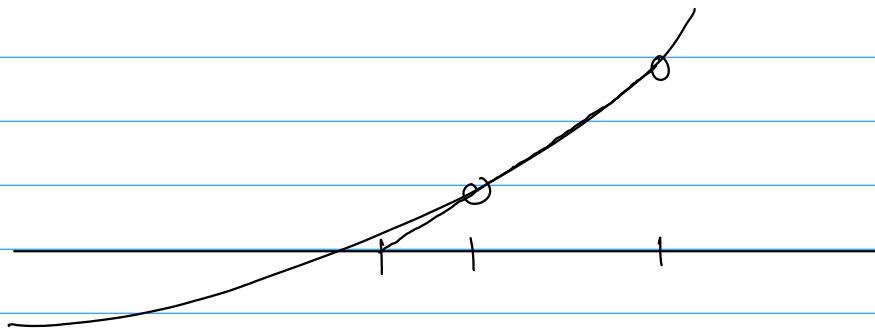
Tries to reduce cost of Newton - Rhapson if $f'(x)$ is expensive to compute.

Let $f$ be given.

Let $f'(x_n) = $

Then $x_{n+1} = x_n - \left( \qquad\qquad \right) f(x_n)$

Rate of convergence is                    .

Same issues as Newton - Rhapson: