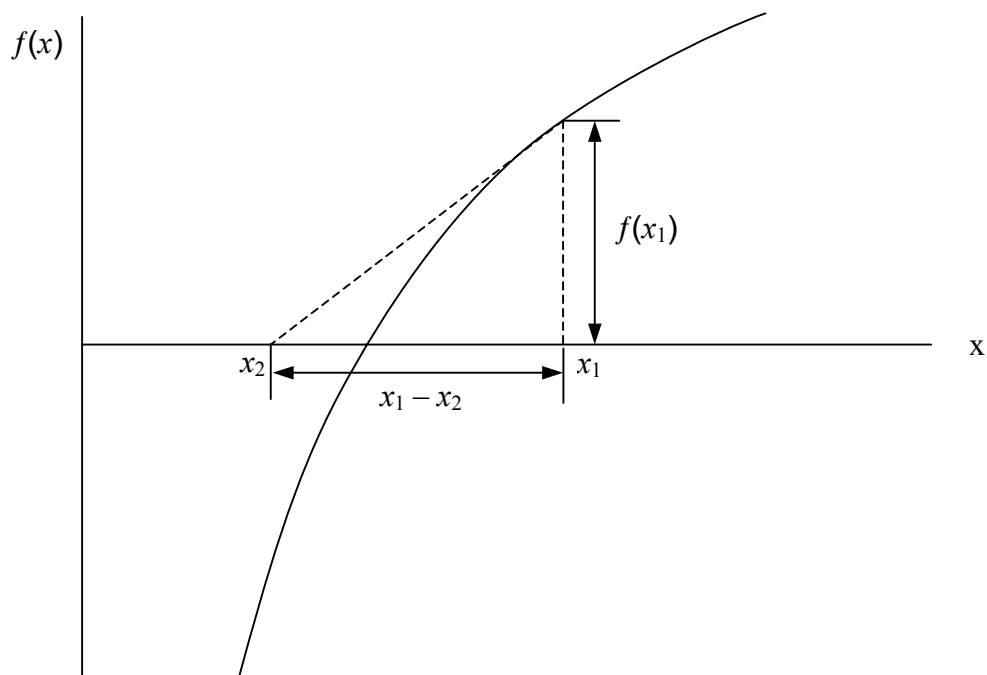


Newton's Method for Root Finding



$$f'(x_1) = \frac{f(x_1)}{x_1 - x_2}$$

$$x_2 = x_1 - \frac{f(x_1)}{f'(x_1)}$$