

equation of the too to the graph of f through (xo, f(xo)) 8lope 4 of (30) $\emptyset \quad \mathcal{J} = \int'(x_0) \times + p$ when $x = \infty$ $y = f(x_0)$ $f(x_0) = f'(x_0) \times 0 \times p$ $p = f(x_0) - f'(x_0) \times 0$ (v) y=f(x0)+f'(x0)x-f'(x0)x0=f(x0)+f'(x0)(x-x0)

$$X_1 \cup S_2 = 0$$

$$X_1 - X_2 = -\frac{f(x_2)}{f(x_1)}$$

$$x_{1}-x_{0}=-\frac{f(x_{0})}{f'(x_{0})}$$

 $X_2 = X_1 - \frac{f(x_1)}{f'(x_1)}$

$$X_{1}-x_{0}=-\frac{f(x_{0})}{f'(x_{0})}$$

$$X_{1}=x_{0}-\frac{f(x_{0})}{f'(x_{0})}$$

Gol formula:
$$x_0 \neq wen$$
, $f, f' \neq wen$
 $x_{n-1} - \frac{f(x_{n-1})}{f'(x_{n-1})}$
(provided that $f'(x_{n-1}) \neq 0$)