$$X_{n-1} = X_n - \frac{f_{(n)}}{f_{(n)}}$$
 $X_n = X_{n-1} - \frac{f(X_{n-1})}{f(X_{n-1})}$

$$f(x) = X^3 - 9x^2 + 1/x - 1/$$

$$X_0 = 0$$
 $f(x_0) = 3X^2 - 18X + 11$
 $f(x_0) = -11$ $f'(x_0) = 11$

$$X_1 = X_0 - \frac{f x_0}{f(x_0)} = 0 - \frac{-1/}{11} = 1$$

$$\chi_2 = \chi_1 - \frac{f(\chi_1)}{f'(\chi_1)} = 1 - \frac{-8}{-4} = 3$$

$$X_3 = X_2 - \frac{f(x_2)}{f(x_2)} = 3 - \frac{-32}{-16} = 1$$