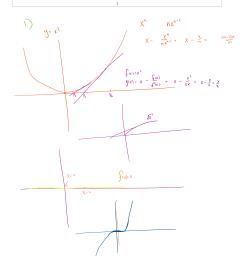
## Math 128a - Week 4 Worksheet GSI: Izak, (2/10/21)

$$|p - p_{n+1}| \le \frac{M}{2(R(n-1))}|p - p_n|^2$$

2.5 Problems
Problem 4. Steffense
What is  $p_1^{(0)}$ ?



$$P_{n} - P_{m1} = \left[ \begin{array}{c} \underbrace{f(P_{n})} \\ \underbrace{f(P_{n})} \end{array} \right]$$

$$\int_{x-p}^{\infty} f(x) = \int_{x-p}^{\infty} f(x) + \int_{x-p}^{\infty$$

$$=\int_{0}^{1}(p)(x-p)+\int_{0}^{1}(z)(x-p)^{2}$$

$$\int_{0}^{1}(z-z)=\int_{0}^{1}(z)(y-z)+\int_{0}^{1}(z)(y-z)^{2}$$

$$\int_{0}^{1}(z-z)=\int_{0}^{1}(z)(y-z)+\int_{0}^{1}(z)(y-z)^{2}$$

$$P-P_{n+1} = \left(\frac{\int (P_n)}{\int (P_n-P_n)} + \int \frac{(P_n-P_n)^2}{2\int (P_n-P_n)^2}\right)$$

$$a_{i}(x) = 1 - \left(\frac{1}{1}(x)\right)_{r} - \frac{1}{1}(x)\right)_{r}$$

$$a_{i}(x) = 1 - \left(\frac{1}{1}(x)\right)_{r} - \frac{1}{1}(x)\int_{x}(x)$$

$$a_{i}(x) = \frac{1}{1}(x)\left(\frac{1}{1}(x)\right)_{r}$$

$$J_{1}(x) = 1 - \frac{(J_{1}(x))}{(J_{1}(x))_{x}} = 0$$

$$J_{1}(x) = 1 - \frac{(J_{1}(x))_{x}}{(J_{1}(x))_{x}} = 0$$

$$\frac{f'(P_{n})}{f'(P_{n})} = \int_{0}^{\infty} \frac{f'(P_{n})}{f'(P_{n})} = \int_{0}^{\infty} \frac{f''(P_{n})}{f''(P_{n})} + \int_{0}^$$

$$\frac{2(1)_{4}}{2(1)_{4}} = \frac{(2)_{4}}{(2)_{4}} \left( \frac{(2)_{4}}{(2)_{4}} - \frac{(2)_{4}}{(2)_{4}} \right) - \frac{(2)_{4}}{(2)_{4}} \left( \frac{(2)_{4}}{(2)_{4}} - \frac{(2)_{4}}{(2)_$$

/ [ (6) 4, (4) (5 -0) ]