

MATH 425 ga)=(x-1)3/3 (x-6) (0,6] $\frac{3}{3}(x-1)^{\frac{1}{3}}(x-6) + (x-1)^{\frac{1}{3}}(x-6)^{\frac{1}{3}} + (x-6)^{\frac{1}{3}}$ $= (x-6)\frac{3}{3}(x-1)^{\frac{1}{3}} + (x-6)^{\frac{1}{3}}$ $6 \Rightarrow 0 \text{ NE}$ $(x-6)\frac{3}{3}(x-1)^{\frac{1}{3}} + (x-6)^{\frac{1}{3}}$ $6 \Rightarrow 0 \text{ NE}$ 4. a. x=1,6 190 average roc = 1 X=3,851 h'(x)=(x+1 5. (X+1)2+ 3 (2x+2)(2-x)+(X+1)2(1) no roots 3(x2+1) 2-X3+4x-2x2+2-X