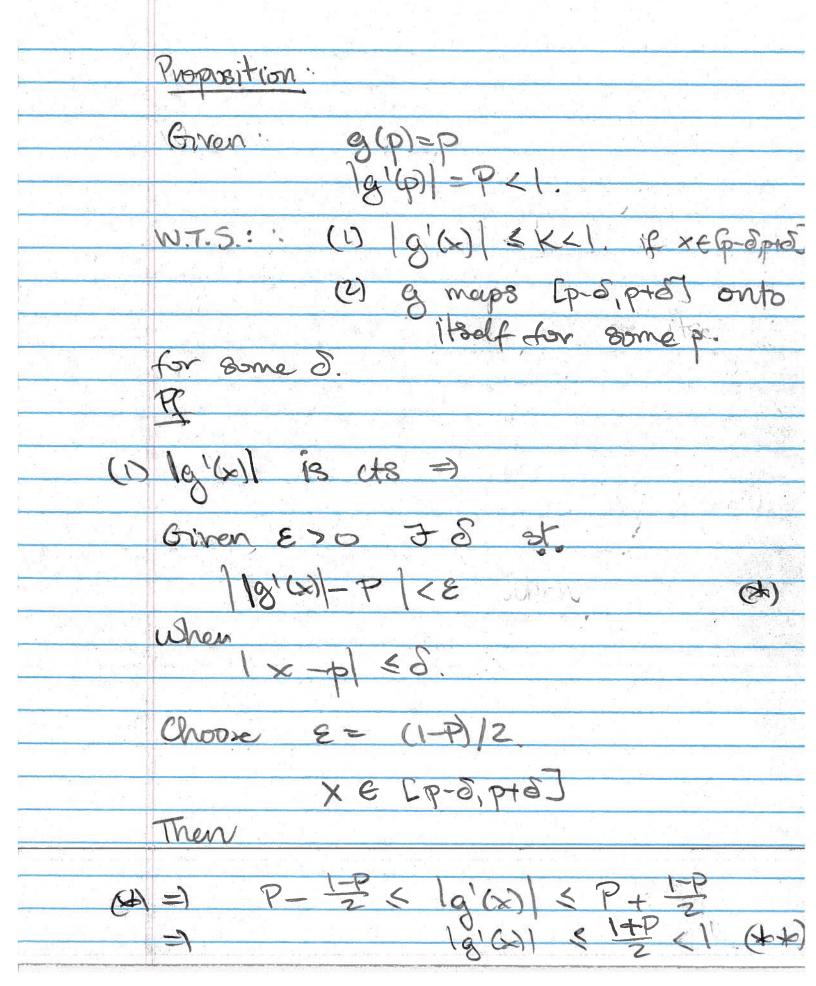
Newton Iteration Recall: fixed pt. iteration stable |Slope| <1 unstable Islope/>1

for Newton Modiration. + (1/6) (pp) 5 regrect if phop She for Papping (popt)  $O = f(p^{*}) + f'(p^{*}) (p - p^{*})$ She for Papping t, (by) b = t, (by) by - t (by) Lathox by - E(bh) relation vispines the Method, which Pn+1 = Pn- 5(9n)



(2) 7 3(p) s.t. 1g(5(p)) 1x-p1 < 1x-pl by < 8 since 1xpl g(x) e [p-0, p+0].

