Find ten this is never the sit is potresis.

contraposition: The at Q and  $a > \frac{7}{2}$  then  $a^2 > \frac{49}{4}$ × If a < 49 the a # 8 or a < 3 V If a∈Q and  $a^2 ≤ \frac{49}{4}$  thur a≤  $\frac{3}{4}$ If I want to show ACB Pf let aEA be arbitracy. By the det of A, we have that a= ..... Majic ae B W.T.S A FB show there exists at A w/ a & B.

W.T. S  $f:A \rightarrow B$  is I-1Let  $a,b \in A$  w f(a) = f(b) be arbitrary.

(usually)

f(a) = stuff w/a in it

f(b) = thing w/b in it

and f(a) = f(b) by assumption so

we have

("stuff w/a") = ("ting w/b")

if we can do some algebra to get vid of

"stuff" and "thing" and end up w/ a=b

then f is injection.

W.T.S. f.A -> B is onto Let b \( \text{B} \) be a bitrary find a \( \text{A} \) w/ f(a) = b. (usually this means solving f(a) = b for a in terms of b)