Homework 3.183.2 3.1 1) A) Fatse Borrae 3) Let P(x) Ge the psedreate "X7 /x"

A) Write P(2), P(2), P(-1), P(-1), P(-8)

T F F T T F 9) Counter-examples Let $x = 1 \cdot 1 \neq 1$ $\forall x \in \mathbb{R}, x > \neq x = 2 \Rightarrow \neq 1$ 19) Vintegerts n, if n2 is even then niseven B,D, E (22) A) All Java programs have at least 5 lines of oil X, if it's a Java program then it has at least 5 lines 23) A) All equilateral triangles are isosceles tx if x1s an equilateral triangle, then x is isosceles 95) There is a great do le

3.2 1) A, QE

- 3) I fish x, x has gills

 I a fish x such that x deesn't have gills

 I a movie m such that m > 6 hrs long

 I movies m, m is T 6 hrs long
- 6) A) Sets A&B don't have Any points in common Sets A&B have at least I point in common
- 11) The sum at least 2 irrationals is national
- 22) Atleast one int has an odd sog but not itself
- 39) If a person carns a greade of cinthis course, then the grade course towards graduetwon
 - 41) If a person, sny on time eachday the person won't keep their job
 - 15) There is a person who has a large income who is unhapply