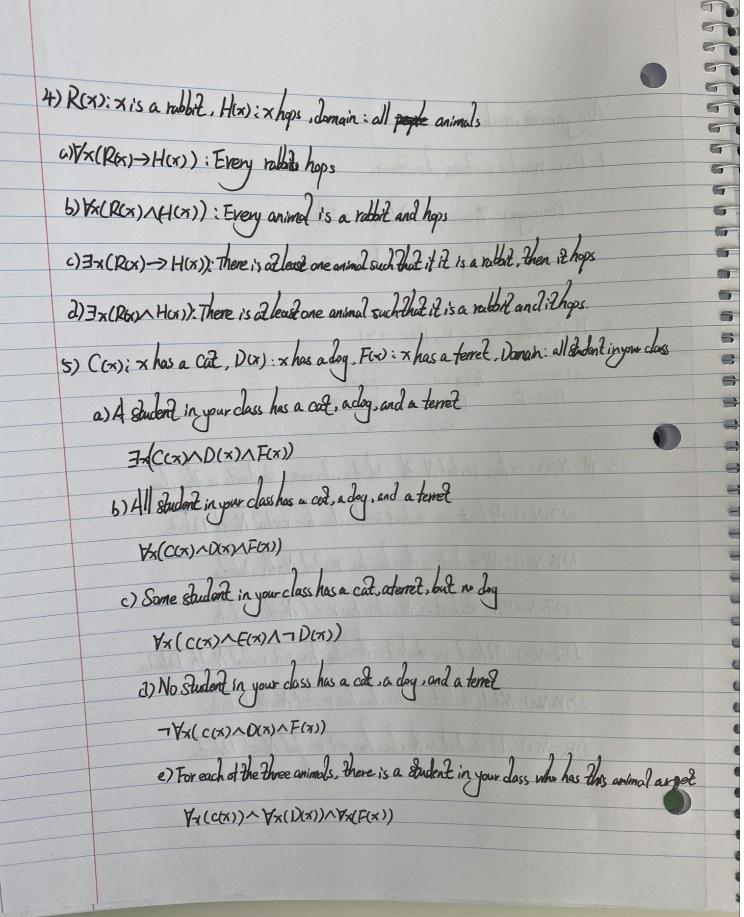
Assignment week 4 1. Pax): Wordx contains chandler a a) P(orange) = True b) P(leamon) = False c) P(True) = Fake 2) P(False) = True 2. If P(x) then x:=1, P(x): x>1 a) x=0 6) x=1 c) x=2 P(0)=F P(1)=T P(2)=T 3. M N(x): x has visted North Dakota, domain: Students in this class ω 3xN(x): At lease one student in this class has visited North Dakota b) Vx N(x): All Students in this class has visited North Dakota C) 777×N(x): No student in this class has visited North Dakota. d) 3-N(x): At least one shulast in this class has not visited North Dalesta e > 1/4 N(x): Notal shulents in this class has visited North Dakota. 5) Yx-N(x): All student into class has not visited North Decoter.



6) Q(x): x+1>>x, domain: All integer QQ(0)=T b)Q(-1)=T c)Q(1)=F d)∃xQ(x)=T = T=(x)QxX(p) T=(x)Qxx(p)=F 7) domain: All real number ω) = x (x3=-1) = 7 (-1)3=-1 りヨャ (メャイメ)=」 (子)4イ(子)。 c) $\forall x((-x)^2 = x^2) = T$ Common sense 2) /x (2x>x)=F 2x(+)<-1 8) find a true domain and a talse domain a) Every one greaks Hindi Domain: Every one who use Hindi, Every one in the world b) There is someone older than 21 years old. Domain: Every one in the world, every new birth boby c) Every two people have the same tirst name Domain: Everyone with first name "Alan", everyone in the world. 1) Someone knows more than mo other people Domain: Everyone in the world, Animals

