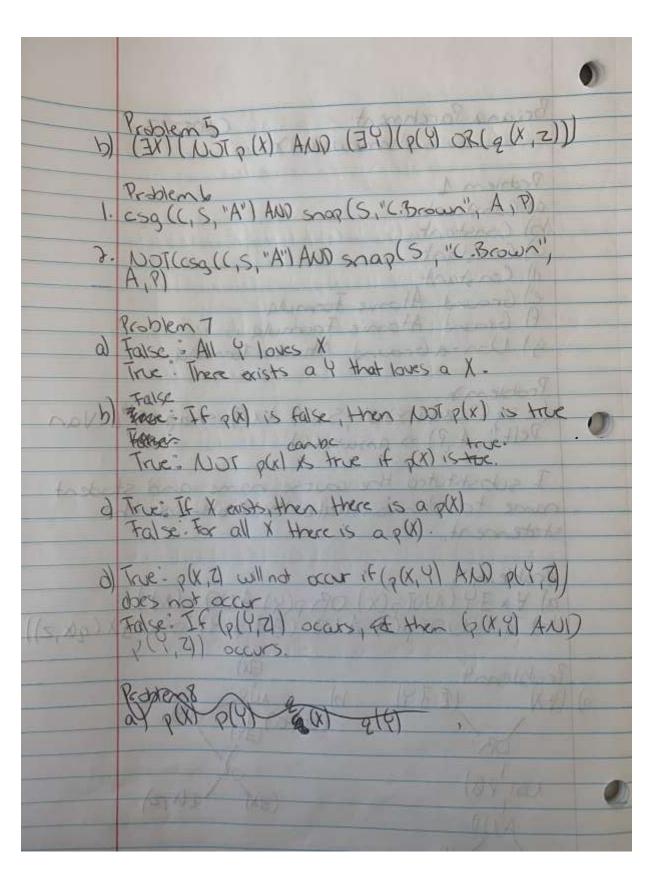
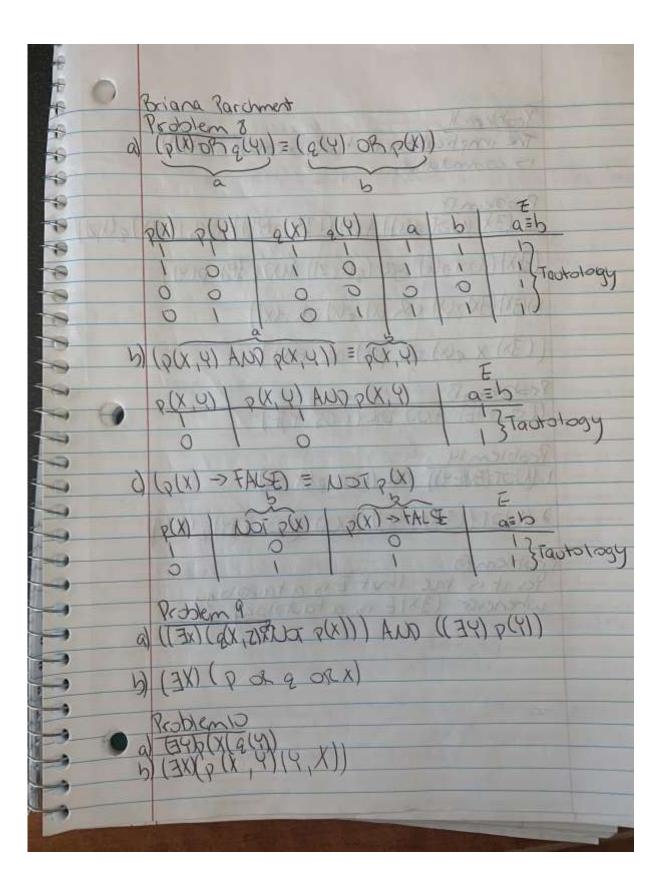
CMPT3333 Briana Parchment Homeworth or Problem 1 a) constant variable c) Constant Constant d) Constant erground Atomic Formula reand Atomic Formula g) Won a Grand Atomic Formula construct Problems (csq ("CMPT 870", S,G) AND Snap (S,L. Van Pelt", A, ?) -> answer(G) I substituted the course name and student name to demonstrate the truth of the statement. Problem 3
a) Y × 79 (NOT 2(X) OB 2(4) AND 2(X))
b) 7 X (NOT 2(X) AND (34 2(4) OB 7X (2(X,Z)) Problem4 (\$ 34) 2(4) Q(X/Z)





The implication is true, because AND is commutative. Problem 13 ((34)p(VE)) OR ((3X)p(KE)) (4) (WE) OUR (15, ND) SO (NGTON) (XE) WEXICAN SO (X) OR (X) OR (X)) ((X) x 2(X) of 2(X) or (X)) RestromB (TQ,X)E) AND OR ((Q, Y)F) Problem 19 1. NOT (EXKEY)) OR (NOT P(X, Y)) (NO (XE) TOW) OWA ((NO (XE)) TOW). 6 Problems the that E is a tautology whenever (3X) E is a tautology.