

Team Members:

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| 1. | 2. |
| 3. | 4. |

Section: TR 12:30 pm T 6:00 pm

Team Rules:

- Work through these exercises with a team in class.
- **Only one answer sheet will be turned in.** Each member of the team will receive the same score.

Answer Sheet

Exercise 1a $(A \cup B) \cap (C' \cup U)$ (___/1)

Exercise 1b $(A \cap B') \cup \emptyset = (A' \cup B)'$ (___/1)

Exercise 2a $(\neg(p \vee c) \wedge (\neg q \wedge t)) \vee p$ (___/1)

Exercise 2b $(\neg p \vee c) \wedge \neg(q \vee r) = \neg p \wedge \neg q \wedge \neg r$ (___/1)

Exercise 3a $(p \wedge q)$ (___/1)

Exercise 3b $(p \vee q)$ (___/1)

Exercise 3c $\neg p$ (___/1)

Exercise 3d $(p \wedge \neg q) \vee p$ (___/1)

Exercise 3e $\neg(\neg p \wedge q)$ (___/1)

Exercise 3f $(p \vee q) \equiv p$ (___/1)

Exercise 3g $(p \wedge \neg q) \vee p \equiv p$ (___/1)

Exercise 3h $\neg(\neg p \wedge q) \wedge (p \vee q) \equiv p$ (___/1)

Exercise 4a $(A \cap B)$ (___/1)

Exercise 4a $(A \cup B)$ (___/1)

Exercise 4a A' (___/1)

Exercise 4a $A \cap (B' \cup A) = A$ (___/1)

Exercise 4a $(A - B)$ (___/1)

Exercise 4a $A' \cup (A \cap B)$ (___/1)

Exercise 4a $(A - B)' = A' \cup (A \cap B)$ (___/1)

Exercise 4a $(A \cup B) \cap (A' \cap C)' = A \cup (B \cap C')$ (___/1)