
CS228M Quiz 1 (Spring 2026)

Max marks: 10

Duration: 8 mins

- *You are required to answer each question only in the sheet provided to you.*
- *Only material written in the sheet will be graded.*
- *The exam is open book and notes. However, you are not allowed to search on the internet or consult others over the internet for your answers.*
- *Be brief, complete and stick to what has been asked.*
- *Unless asked for explicitly, you may cite results/proofs covered in class without reproducing them.*
- *If you need to make any assumptions, state them clearly.*
- **Do not copy solutions from others. Penalty for offenders: FR grade.**

Consider the formula $x_1 \vee \neg(x_2 \wedge \neg(x_3 \leftrightarrow (x_1 \rightarrow \neg x_2)))$.

Give an assignment that makes the formula true (semantics evaluates to 1), and one that makes the formula false (semantics evaluates to 0).

