Introductory Logic: Worksheet 2

September 17, 2025

1 Problem 1

Prove the following (including dependency lines):
$$P \to Q, \neg S \land \neg R, \neg\neg Q \to R \vdash \neg Q \land \neg P$$

2 Problem 2

Prove the following:
$$P \to Q, Q \to R, \neg R \lor \neg Q \vdash \neg Q \land \neg P$$