

**Problem 1** (2.7.1).

*Proof.*

□

**Problem 2** (2.7.2).

*Proof.*

□

**Problem 3** (2.8).

*Proof.*

□

**Problem 4** (2.9.1).

*Proof.*

□

**Problem 5** (2.9.2).

*Proof.*

□

**Problem 6** (2.10).

*Proof.*

□