

MA 310 — Homework #8

Due Monday, March 30, in class

1. Solve the problem “The Average Traveler” part 1.
2. Solve the problem “8 Card Trick”, explaining exactly what the magician does, and also why it works.
3. Solve the problem “Counterfeit Coins” part 1.
4. Solve the problem “Counterfeit Coins” part 2 using a proof by induction.
5. Solve the problem “Weird Multiplication I”.