

Week 11 — Simulation-based inference: Monday exit ticket

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Name: _____

Date: _____

Instructions

Work through each item below. Write your final response in the space provided. Show enough work that another reader can follow your reasoning.

1. In the opportunity-cost study, students decided whether to buy a video. Of **75** in the control group, **19** chose *not* to buy; of **75** who were first reminded they could keep the money, **34** chose *not* to buy.
 - (a) Compute the **observed statistic**: the difference in the proportion who did *not* buy (treatment – control).
 - (b) State the **null hypothesis** for a randomization test in one sentence — what would 'the reminder makes no difference' mean?