

# Week 12 — Classical hypothesis testing: Monday exit ticket

Week 12 – Monday exit ticket

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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## 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. A clinic wants to know whether the **mean** systolic blood pressure of its patients differs from the national average of **120 mmHg**.
  - (a) Write the **null** and **alternative** hypotheses in symbols (use  $\mu$  for the true mean patient blood pressure).
  - (b) Is the alternative **one-sided** or **two-sided** here, and why?