

# Week 10 — Probability as risk and diagnosis: Monday exit ticket

Week 10 – 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 breast-cancer screening test has a **false-positive rate of 7%**.
  - (a) Interpret "7% false-positive rate" as a **long-run** statement about many **healthy** women who are screened.
  - (b) If a healthy woman is screened, what is the probability her test comes back **negative**? (Use the complement rule.)