

**AP STATISTICS
PROBLEM SET 8**

DUE DATE: NOVEMBER 6, 2023

Question 1. Finish AP Classroom Problem Set 8.

Question 2. Finish Quiz 9, 10, 11 MCQ and FRQ in AP Barrons (make sure to double check your answers).

Question 3. Finish the Progress Checks on AP Classroom.

Question 4. A delirious man stands **at** the edge of a cliff and takes a random step either towards or away from a cliff's edge. The probability of him stepping away from the edge is $3/5$ and towards the edge is $2/5$. Find the probability he does not step over the cliff in his first four steps.

Question 5. A school committee of 7 is to be chosen from 11 seniors and 3 juniors.

- (a) Find the probability that only seniors are chosen.
- (b) Find the probability that all 3 juniors are chosen.