Instructions for the Administration Chemistry Lab for the 2017 Princeton Science Olympiad Administration

Before the test:

- Check:
  - Safety
    - Ensure that all students have both
      - Eyeglasses
      - either a lab coat or a lab apron
    - If a student does not have these items, ask him or her to leave.
    - If he or she returns with proper safety equipment, he or she may still take the test.
    - See official rules for more info
  - Fair Game
    - Ensure that no group (pair) has more than five cheats total.
    - See official rules for more info

- Say something along the lines of (but reword as you please):
  - You may open to the third page (labeled page 1) and read the directions. Do not open the test beyond the directions.
  - Read all the directions carefully
  - You have 50 minutes to complete 1 lab and 6 theoretical problems. A 5-minute warning will be given. Both the difficulty and the weighting of the theoretical problems increases as you progress.
  - Leave at least 10 minutes before time is called to clean up your lab. If your lab space is not clean when time is called, we will subtract 5% of the total points possible from your final score.
  - Do not open the test until you are instructed to begin.
  - Write relevant calculations in the appropriate boxes when necessary.
    **If you want partial credit, you must show your work.**
  - Don’t forget units! Correct answers without units (or with improper units) will not receive full credit.
  - If you take the pages of the test apart, make sure to label each page with your team number and staple all the pages together (in order) before turning your test in.
  - Unless stated otherwise, AG, AH, and AS are per mole.
  - In the event of a tie, the percent error of the experimental ΔH and ΔS values calculated in 1.e will be used as tie-breakers.
After the test, there is a short survey for you to fill out. You will be given some time after the test is over to complete it. This exam is 31 pages long. You will not finish. Best of luck! 😊

- Starting the test
  - Tell students that they may open their tests and begin
  - **Start a timer for 50 minutes**
  - Write the end time on a board if possible for students to see

During the test:
- At least one supervisor should be watching students (esp. for lab safety), answering questions, etc. The other may grade tests. Switching is encouraged
- **Make sure to give 10-minute warning for cleaning lab space**
- **Make sure to give 5-minute warning for cleaning lab space**

After the test:
- Tell students to stop working on test
- Ask them to staple their papers in order
- Tell students that they may fill out the post-test survey but may not make any other markings on their paper
- Ask students to leave their tests at their lab space
- Walk around and collect tests, **check the appropriate Lab Clean (Yes/No)** box on the front page of the exams
- Reset for the next group