Rules for Seniors

1. You may work in groups of 2 or by yourself. (Based on the number students)

2. On your submission, write, your team number, problem number and the answer.

3. If you write something that is a weird combination of T or F. I will assume you did not submit an answer.

4. You may not use any computing devices other than your brain.

5. You are eliminated after 2 incorrect answers.

6. The last team to remain wins.

7. The team that gets the most incorrect answers is the grand loser.

8. Top 3 teams and last place team gets a prize.

Sample Problems for Seniors

1. (1 min) TRUE or FALSE: The coefficients of $(x+y)^n$ corresponds to the elements in Pascal's Triangle.

2. (2 min) Let $n \geq 2$. TRUE or FALSE: There does not exist three positive integers a, b, c that satisfies $a^n + b^n = c^n$.

3. (3min)TRUE or FALSE: Any two parallelogram with same side lengths have the same area.