STUDENT INFORMATION FOR STATE COMPETITION

Please show to each student who will participate in the contest.

1. Each student will write his/her name, school, and grade on the back of the white exam sheet.
2. You are not to pick up the exam sheet or try to read the problems in any way prior to the starter giving the signal to begin.
3. You have ten minutes to answer the three questions. Remember the first question is worth one point, the second, two, and the third, three points. You will be given a two minute and a 15 second warning signal. That is, you will be told when there is only two minutes left and when there is only 15 seconds left in the round.
4. When the signal to stop is given, everyone must do so immediately. If anyone doesn't comply the score for that round will be zero.
5. Place your answers in the designated area at the top right side of the exam sheet. If the answer is not there, you will receive no credit.
6. Make sure you know which rounds you are competing in.
7. All participating students in the individual rounds compete in the team round together.
8. Make sure all of your answers are in the necessary simplified form asked for in the problem.
9. **IF ANY STUDENT WISHES TO CHALLENGE HIS OR HER SCORE, A DESIGNATED PLACE WILL BE SET UP FOR THIS PURPOSE. THIS WILL BE THE ONLY PLACE WHERE CHALLENGES WILL BE HEARD AND ACTED UPON.**
10. We have been requested to make sure all personnel connected with the competition stay in the areas designated for them. If any student fails to comply with this rule, he/she will be asked to leave the building and lose the chance to compete.
11. We feel this will be an interesting and exciting experience for you. We hope to make the challenge an excellent learning experience as well.
12. Looking forward to meeting with you on March 30st, 2023.
13. NO USE OF CALCULATORS WILL BE ALLOWED.
14. ONLY STUDENTS WHO ARE TO COMPETE SHOULD ACCOMPANY THE TEAM TO THIS EVENT.

STUDENT INFORMATION REGARDING
ANSWER FORMS

All answers must be in simplified exact form unless the question states otherwise. Consider the following situations:

1. $\sqrt{12}$ not accepted – should be $2\sqrt{3}$

2. Numerators and denominators of all fractions must be relatively prime.

3. Fractions with radicals in the denominator must be rationalized e.g.: $1/\sqrt{3}$ is not acceptable, $\sqrt{3}/3$ is acceptable.

4. 3i is not in a + bi form; must be 0 + 3i, 5 must be 5 + 0i.

5. (3 + 5i)/4 is not in the form a + bi; should be $\frac{3}{4} + \frac{5}{4}i$.

6. $1 + \sqrt{-3}$ is not in the form a + bi; must be written as $1 + i\sqrt{3}$.

7. Function notation and set notation must be used properly.

8. An information sheet about the use of the word **"compute"** will be forthcoming or discussed at the state meet.

ANSWERS MUST BE LEGIBLE

If the answer is not clearly written, it will probably be marked wrong. Unreasonable calculations need not be carried out, e.g., 17^{23}.