**24 Test**

Chiles Mini Mu

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Division: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:**

1) This is the 24 test. On this test, you will be given a set of numbers. You may use the four operations (addition, subtraction, multiplication, and division) as well as an unlimited number of grouping symbols to combine these numbers to for an expression that equals 24.

2) Exponentiation is not allowed. Concatenation is not allowed (ie if a 2 and a 4 are given, you may not use the number 24 or 42). Factorials are not allowed.

3) There may be multiple solutions to a problem. For instance, the given numbers 1, 1, 2, 48 has solutions and . As long as your answer evaluates to 24 using standard PEMDAS order of operations, you will receive credit.

4) You will have 10 minutes to complete this test. When you are done, you may turn in your test early.

5) In the event of a tie in points between competitors, ties will be broken by who turned in their test earlier, as marked by the proctor.

6) No disputes will be accepted.

7) Good luck!!!

Hint:

1) 2, 2, 4, 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) 3, 4, 5, 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) 2, 2, 6, 8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) 2, 5, 6, 6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) 4, 8, 8, 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) 4, 5, 8, 8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) 3, 6, 6, 11 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) 2, 5, 5, 10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) 2, 3, 5, 12 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) 1, 3, 3, 17, 184 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_