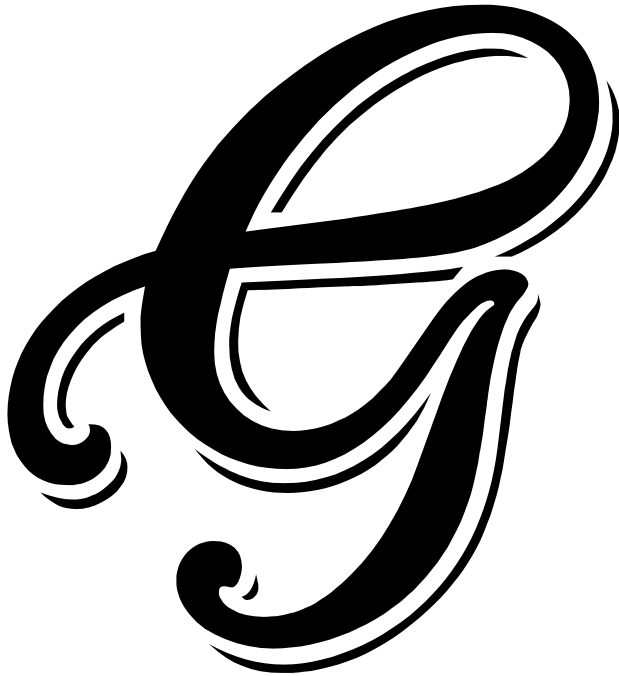


*REMT 2003*

*ANSWERS*



*MATHEMATICAL*

*REASONING*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
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11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_

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LAST NAME

FIRST NAME

GRADE





11. If  $\langle a, b \rangle = 2a + b - 3$ , what is  $\langle \langle 2, 3 \rangle, \langle 4, 5 \rangle \rangle$ ?
12. The sum of two integers is 31. If the larger is divided by the smaller, the quotient is 2 and the remainder is 4. What is the larger number?
13. How many minutes does it take a quarter-mile long train traveling at 15 miles per hour to pass completely through a two-and-a-quarter mile tunnel?
14. What positive number is four times its own cube?
15. There are three snakes in the snake house at the zoo. The two smallest snakes total 11 feet in length. The two largest snakes total 27 feet in length. The average length of all the snakes is 8 feet. How many feet long is the middle snake?

