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 $A = \pi R^2$

$D = \frac{M}{V}$

$V = LWH$

$C = 2\pi R$

$A = L \cdot W$

# **MATH COMPETITION**

FOR DEAF AND HARD-OF-HEARING STUDENTS

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**April 6, 2013**

**■ RIT Competition ■**  
**Target Round**  
**Problems 5-8**

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Name \_\_\_\_\_

**DO NOT BEGIN UNTIL YOU ARE  
INSTRUCTED TO DO SO.**

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Total Correct	Scorer's Initials

5. David purchased a boat for a total cost of \$2240. He made a \$440 down payment and agreed to pay the remainder in 24 equal payments. What will be the dollar amount of each payment? 5. \$\_\_\_\_\_
6. A convex pentagon has interior angles with measures  $x + 1$ ,  $2x$ ,  $3x$ ,  $4x$ , and  $5x - 1$  degrees. A pentagon has interior angles whose sum is 540 degrees. What is the measure of the largest angle? 6. \_\_\_\_\_ degrees
7. How many different positive, four-digit integers can be formed using the digits 2, 2, 9, and 9? 7. \_\_\_\_\_
8. The perimeter of a square is 44 inches. How many square inches are in the area of the square? 8. \_\_\_\_\_sq. in