

TEXT MESSAGE DILEMMA!!

20 POINTS

You and your MA Θ friends are text messaging mathematical words back and forth when your phone suddenly begins showing numerical messages instead of the text messages you expect. Can you decipher the messages your friends are sending?

1. 6284 _____

2. 322867 _____

3. 837839 _____

4. 38537 _____

5. 564274846 _____

6. 39766368 _____

7. 22734643 _____

8. 778273 _____

9. 46834725 _____

10. 56442 _____

SUNSPHERE WORD SEARCH 20 PTS. ANSWER = _____

Find each word in the Sunsphere and mark out its letters. (Hint: no word is found completely within another word.) Put the remaining letters in order from left to right and top to bottom to find the clue to solve the puzzle.

G E O M E T R Y
 M A X I M U M R A M
 U L U N A E M T O R U S
 E L G N A E T E R P D I R D
 V T I M I L M P A L L E O I
 S I X N Y F O P R D A C L T V I
 S T V T E N O A H I T H L C I U
 E A N E O D B R E A O D I E D K
 C V B G Y O T H N N T T P S E R
 A I I R L E E G T H E H S N A M
 N R D A D D L T H E M E E S A Q
 T E R T D E S E U A I O R T E N
 D O I R E U O I O N R H T A
 O H O F L L O R Q I E N I E
 C N E U U T R U M M D H
 R U R C N A A U E D
 R S L E T D M D
 N A I I R A
 O C F O I L
 S O R N L G
 P Q T A A E
 M Y U L T B
 I E F A E R
 S L P O R A
 E U O O A E
 N G R C L T
 I O N C I S
 S G R A E T
 O I O D R T
 C H T E E C
 A N C G U S
 E W E R E R
 T L V E O L
 T E G E A H
 P D I N S W
 O I O L A D
 L G P M U I
 Z A A E R A Z R
 L I R R U O F I E T
 D O W T A N G E N T

- ALGEBRA
- ANGLE
- AREA
- BOOLE
- CALCULUS
- CHORD
- CIRCLE
- COSINE
- CURVE
- DEGREE
- DELTA
- DERIVATIVE
- DIAGONAL
- DIVIDE
- DOMAIN
- ELLIPSE
- EULER
- FOUR
- GEOMETRY
- INTEGRATION
- IRRATIONAL
- KITE
- LIMIT
- LOCI
- MATHEMATICS
- MAXIMUM
- MEAN
- MEDIAN
- MINIMUM
- MU ALPHA THETA
- PARABOLA
- PLATO
- POLAR
- QUADRILATERAL
- RADIAN
- RANGE
- RECTANGLE
- SECANT
- SECTOR
- SIMPSON'S RULE
- SIX
- SLOPE
- SQUARE
- TANGENT
- THEOREM
- TORUS
- TRIANGLE
- TRIGONOMETRY
- TWO
- VECTOR
- YARD

SUDOKU -- 20 POINTS

This is a “squiggly “ variation of Sudoku. Each outlined area consists of nine blocks and the digits 1 through 9 must appear in each section. As with the normal Sudoku, each of the nine digits also appears in each row and column.

	5			8				
	9				4	5	2	
				9				8
	8			2		3		
		5				2		
		1		3			5	
9				5				
	6	2	3				9	
				1			4	

CRYPTOGRAMS

20 POINTS

In the following equations, each number 0 through 9 has been replaced by a letter A-Z. The numbers have been replaced by the same letters in each of the three equations. Your job is to determine what the original equations are.

PUZZLE #1

$$JXXT + MGGT = TDXJL$$

$$JXXT - MGGT = XGC$$

$$JXXT * MGGT = EECGMCJT$$

$$C = \underline{\quad} \quad D = \underline{\quad} \quad E = \underline{\quad} \quad G = \underline{\quad} \quad J = \underline{\quad}$$

$$L = \underline{\quad} \quad M = \underline{\quad} \quad S = \underline{\quad} \quad T = \underline{\quad} \quad X = \underline{\quad}$$

PUZZLE #2:

$$NMFV + RNXX = MMYMX$$

$$NMFV - RNXX = PFM$$

$$NMFV * RNXX = ZPYLLYYW$$

$$F = \underline{\quad} \quad L = \underline{\quad} \quad M = \underline{\quad} \quad N = \underline{\quad} \quad P = \underline{\quad}$$

$$R = \underline{\quad} \quad W = \underline{\quad} \quad X = \underline{\quad} \quad Y = \underline{\quad} \quad Z = \underline{\quad}$$