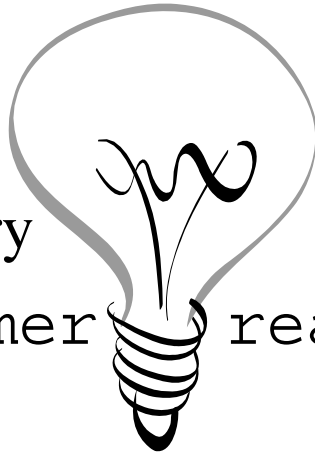


Name: _____

Date: _____

Geometry

summer reading



The Summer 2009 Geometry Summer Reading Assignment consists of various activities designed for you to use your multiple intelligences in discovering the world of Geometry.

Students must choose 3 of the 4 activities provided. You must show all work in order to receive full credit for this assignment.

Summer Reading Assignments will be collected on the first day of class and will count as your first homework grade.

For questions about the assignment, please contact Ms. Starkey at kstarkey@aacps.org

Magic Squares:

Solving Equations

Directions: Select the answer for each of the lettered problems. Put the number in the proper space in the magic square box. If the totals of the numbers are the same both across and down, you have found the **MAGIC NUMBER!**

For example, if you believe the answer to problem “A” is 12, place the number 4 in box “A.”

Solve for the missing variable.

A. $18 - (-x) = 91$

B. $-2.56 + c = 0.89$

C. $X - 55 = -17$

D. $-3x = 12$

E. $\frac{2}{3}n - 6 = -10$

F. $7m - 17 = 60$

G. $\frac{T}{8} + 21 = 14$

H. $5x + 7 = 132$

I. $\frac{2}{3} = x + \frac{4}{5}$

1. 17

2. -4

3. -5

4. 12

5. $-\frac{2}{15}$

6. 38

7. 25

8. 3.45

9. -6

10. 73

11. 0

12. -56

13. 11

| | | |
|----|----|----|
| A. | B. | C. |
| D. | E. | F. |
| G. | H. | I. |

Source: <http://library.thinkquest.org/2647/geometry/intro/point.htm>

1. What are points considered to be?
2. Identify the 4 major definitions of a point.
3. Describe the definition of a point as a dot. Give examples of where you have seen or used dots before.
4. Explore the definition of a point as an ordered pair. Who discovered the ordered pair? Give examples of where you have seen or used ordered pairs before.

Source: <http://library.thinkquest.org/2647/geometry/intro/lp.htm>

1. How many dimensions does a line have?
2. What do we call points that are on the same line?
3. What is the difference between how you write a line segment and a line? Give an example.
4. Identify and describe the four different relationships lines can have.
5. Describe a plane. Give an example.

Geometry Alphabet Soup

Use the letters in the word “GEOMETRY” to create statements that summarize what you learned about Geometry through completing your Summer Reading Assignment. Each statement must begin with the letters given.

Example:

G – Geometry is fun! (Do not use)

| Letter | Write your sentence here: |
|--------|---------------------------|
| G | |
| E | |
| O | |
| M | |
| E | |
| T | |
| R | |
| Y | |

Geometry One-Pager

Geometry One-Pagers represent your own written and graphic interpretation of what you have read.

Directions:

1. Research careers in Geometry and select one that you would like to explore.
2. Use the template attached to complete your One Pager in the appropriate space provided. Feel free to use your own paper if you choose.
3. The following elements are required on your “One Pager.”
 - Summary
 - Personal response or reflection to your reading
 - Graphic representation of the career field. Use drawings, pictures, symbols, etc.
 - Bibliography of sources

SEE REVERSE SIDE FOR THE TEMPLATE

USING GEOMETRY IN

(Name of career field)

Summary of the career and how Geometry is used:

Graphic Representation:

Personal Response/Reflection:

Graphic Representation: