

# Math Review

The Academy SPS  
Algebra/Geometry

**Angles**

**Equations**

**Formulas**

**Choice 4**

100

100

100

100

200

200

200

200

300

300

300

300

400

400

400

400

500

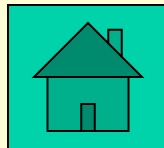
500

500

500

bisects?

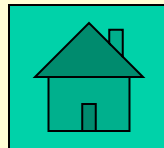
If  $\overrightarrow{AB}$  divides an angle C into  
two equal parts we say that  
 $\overrightarrow{AB}$  \_\_\_\_\_ angle C.



Row 1, Col 1

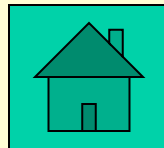
$$m=6/4=3/2?$$

**Solve  $m+1/4=7/4$  for  $m$ .**



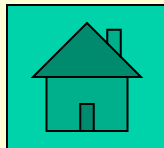
$$a^2+b^2=c^2?$$

**State the Pythagorean Theorem.**



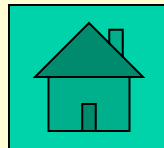
## What are check digits?

**These numbers are used at the end of UPC codes, credit cards, and ISBN numbers to prevent human data entry errors.**



54?

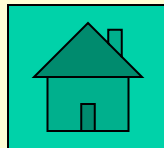
**The measure of angle A is  $36^\circ$ .  
Find the complement of A.**



2,1

$j=30?$

**Solve  $(2/5)j=12$  for  $j$ .**

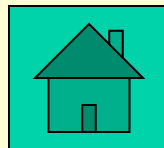


2,2



96 square meters?

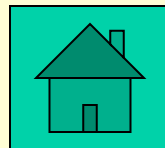
**A rectangle has a length of 12 meters and a width of 8 meters. What is the area of the rectangle?**



2,3

Who are Elbert Frank Cox and Martha Euphemia Lofton Haynes?

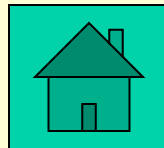
**These two were the first man  
and first woman to receive  
a PhD in mathematics.**



191-3x?

## **DOUBLE JEOPARDY**

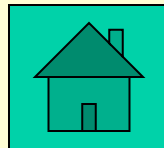
**Find the supplement of an angle that measures  $(3x-11)^\circ$ .**



3,1

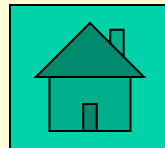
$$k=(3/4)t?$$

**Solve  $4t=3/k$  for  $k$ .**



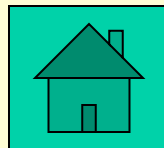
$$25t^2?$$

**A square has a side length of  $5t^2$ . What is the perimeter of the square?**



2?

**Find  $38 \bmod 3$ .**

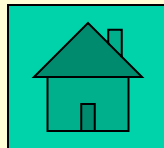


3,4

?

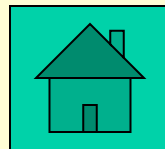
## **DOUBLE JEOPARDY.**

**Draw the following: adjacent angles, adjacent angles that form a linear pair, non adjacent angles.**



$$x=5?$$

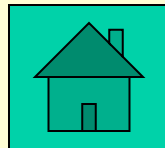
**Solve  $2x+6=4(x-1)$  for  $x$ .**





$36\pi?$

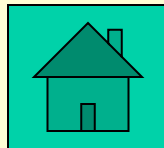
**A circle has a diameter of 12 inches. What is the area of the circle?**



47°?

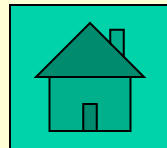
**Suppose  $m\angle ABD=37^\circ$  and  
 $m\angle ABC=84^\circ$ . Find the  
 $m\angle DBC$ .**

**(see left corner of board  
for diagram)**



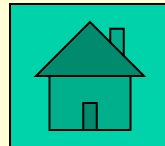
Straight, obtuse, right, acute?

**Rank the following angle types  
in order from greatest to least  
by angle measure: right, acute,  
straight, obtuse.**



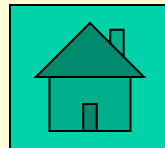
$$y=(6P-3x)/2?$$

**Solve  $P=(3x+2y)/6$  for  $y$ .**



8 centimeters?

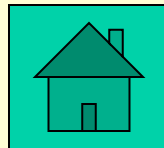
**A triangle has a height of 7 centimeters and an area of 56 square centimeters. What is the length of the base of the Triangle?**



5,3

70?

**Given the diagram find RT.**  
**(see left side of board for**  
**diagram)**



5,4