NOTES: Parts of a Coordinate Plane

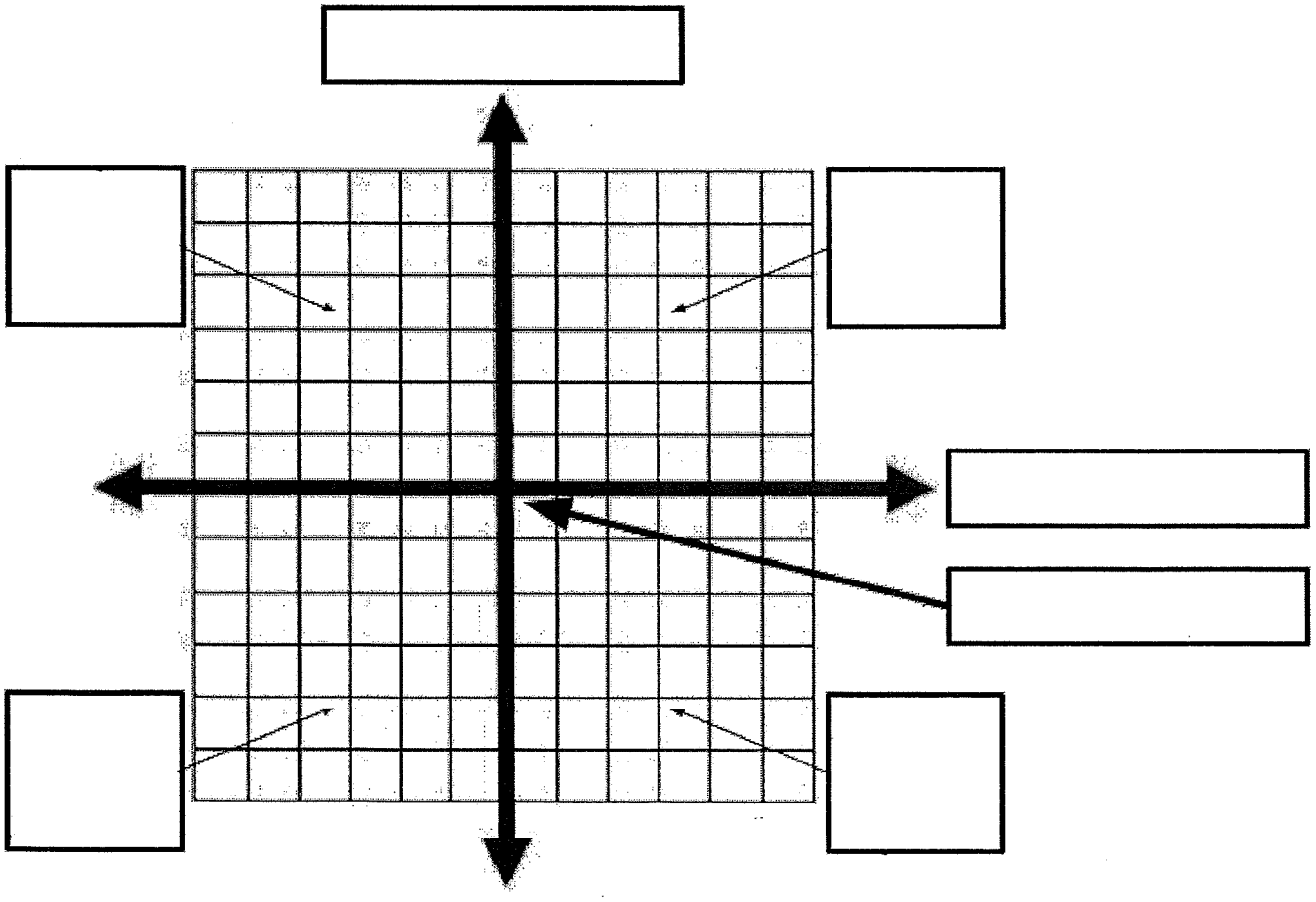
Name: _____ Date: _____

- There are _____ quadrants on the coordinate plane.
  - These quadrants are numbered 1, 2, 3, and 4 in a counter-clockwise direction.
  - For example, if you write a "C" beginning in the upper right and end in the lower right, you will be following the 4 quadrants around in order.

- The _____ runs left to right (horizontal).
  - _____ numbers are on the right half of the coordinate plane.
  - _____ numbers are on the left half of the coordinate plane.

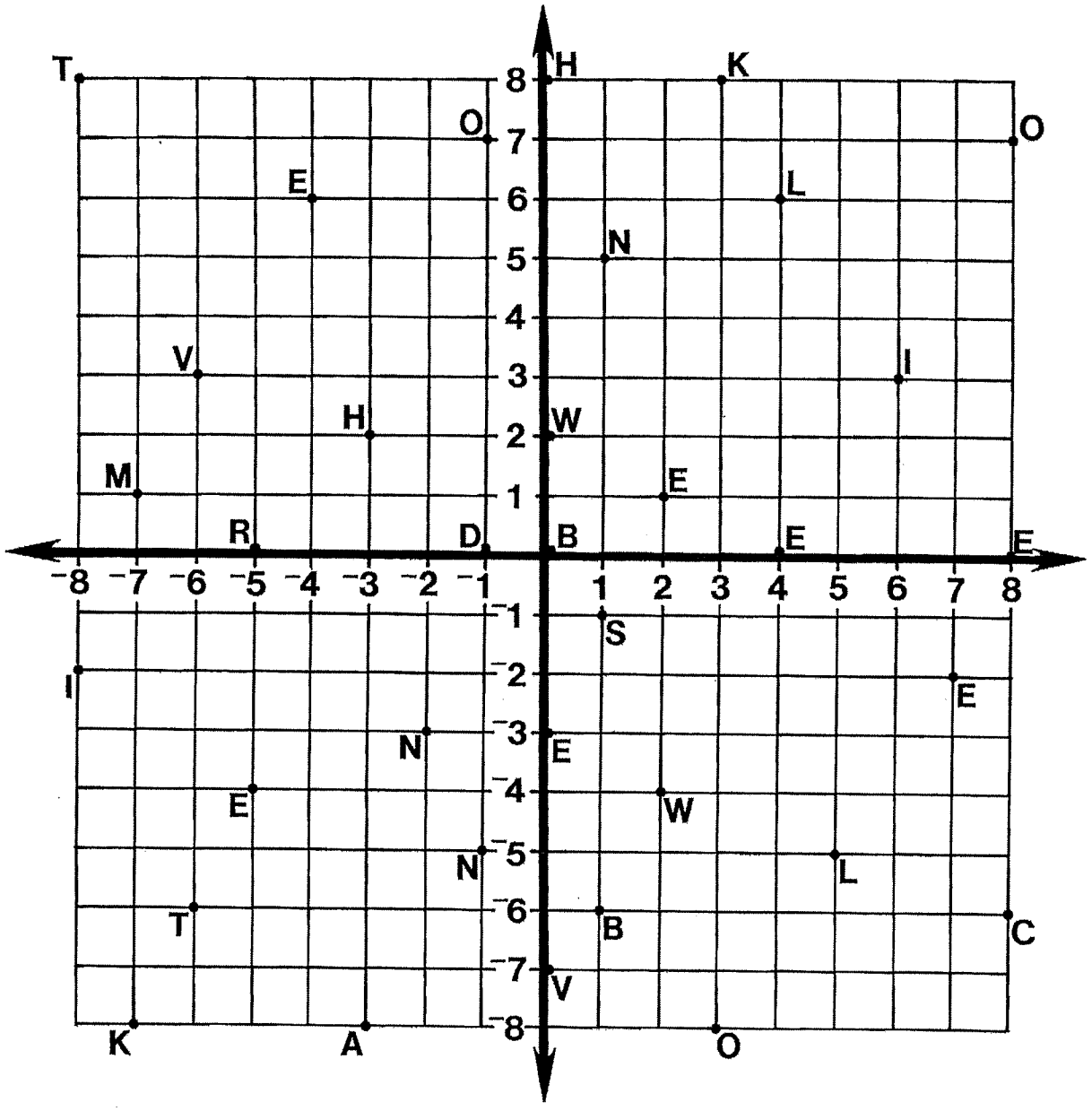
- The _____ runs top to bottom (vertical).
  - _____ numbers are on the top half of the coordinate plane.
  - _____ numbers are on the bottom half of the coordinate plane.

- The point where the two axes meet in the middle of the coordinate plane is called the _____. The point for the origin is (_____, _____).



What Did One Ear Say To The Other?

Each pair of numbers at the bottom of the page stands for a point on the coordinates below. Above each pair of numbers, write the letter that appears at that point.



(6,3)	(1,5)	($^-$4,6)	($^-$6,3)	(4,0)	($^-$5,0)	($^-$7,$^-$8)	($^-$1,$^-$5)	(7,$^-$2)	(2,$^-$4)	(0,2)	(0,$^-$3)
(0,0)	(8,7)	($^-$6,$^-$6)	($^-$3,2)	(5,$^-$5)	($^-$8,$^-$2)	(0,$^-$7)	($^-$5,$^-$4)	($^-$1,0)	(3,$^-$8)	($^-$2,$^-$3)	
($^-$8,8)	(0,8)	(8,0)	(1,$^-$1)	($^-$3,$^-$8)	($^-$7,1)	(2,1)	(1,$^-$6)	(4,6)	($^-$1,7)	(8,$^-$6)	(3,8)

GET THE POINT

Graph the points in each group and connect each point with the next point using straight line segments. Do NOT connect the last point in one group with the first point in the next group. For the next-to-last group, you are asked to shade in the area formed by the points in that group. Use pencil so you can erase if necessary. It's gra-fun!

(0, 6.5)
(6, 6.5)
(7, 5.5)
(6, 4)
(9.5, 9)
(13.5, 6)
(12.5, 2.5)
(9.5, 2.5)
(9.5, 9)
LIFT PENCIL

(⁻6, 6.5)
(⁻3, 8.5)
(0, 6.5)
(⁻1.5, 5.5)
(⁻2.5, 4)
LIFT PENCIL

(1.5, 3.5)
(2.5, 3)
(3, 2.5)
LIFT PENCIL

(⁻3, ⁻15.5)
(⁻7, ⁻15.5)
(⁻10, ⁻12.5)
(⁻13.5, ⁻5)
(⁻10.5, ⁻5)
(⁻9.5, ⁻2)
(⁻6, 1)
(⁻4.5, 1)
LIFT PENCIL

(0, 3.5)
(⁻1, 3)
(⁻1.5, 2.5)
LIFT PENCIL

(15, 2.5)
(12, 1)
(10.5, 2.5)
(8,0)
LIFT PENCIL

(12, 1)
(12, ⁻8)
(4.5, ⁻17)
(⁻1.5, ⁻17)
(2, ⁻20.5)
(⁻3, ⁻15.5)
(3, ⁻15.5)
(10.5, ⁻8)
(10.5, 0.5)
(9.5, 1.5)
LIFT PENCIL

(⁻4.5, 4)
(⁻6, 2.5)
(⁻6, 6.5)
(⁻2.5, 4)
(⁻4.5, 1)
(6, 1)
LIFT PENCIL

(⁻2, ⁻1.5)
(⁻5, ⁻1.5)
(⁻5.5, ⁻1)
(⁻5.5, 0)
(⁻5, 0.5)
(⁻2, 0.5)
(⁻1.5, 0)
(⁻1.5, ⁻1)
(⁻2, ⁻1.5)
SHADE IN THE AREA FORMED WITH THE POINTS ABOVE.

(⁻12.5, ⁻5)
(⁻11.5, ⁻3.5)
(⁻10.5, ⁻5)
(2, ⁻5)
(1, ⁻3.5)
(0, ⁻5)
(3.5, ⁻5)
(6.5, ⁻2)
(6.5, ⁻3.5)
STOP

BOWSER