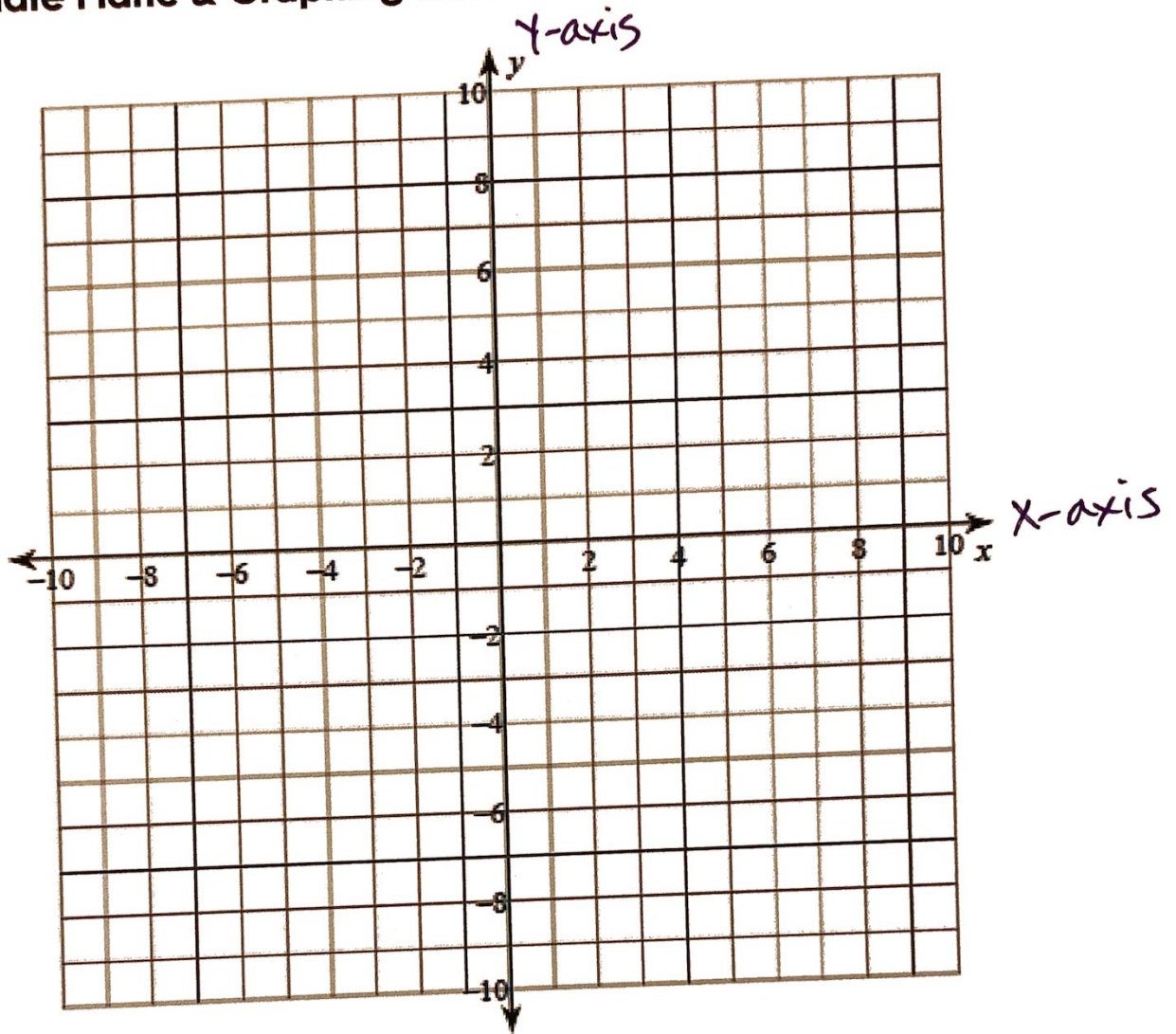


Geometry
Coordinate Plane & Graphing Notes

Name: Key
Date: _____

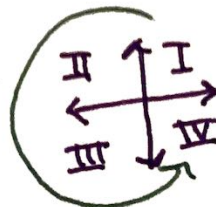


X-Axis: Horizontal \longleftrightarrow

Y-Axis: Vertical \updownarrow

Origin: $(0, 0)$

Quadrants: I, II, III, IV



Ordered Pair: (x, y) (x-coordinate, y-coordinate)
 \longleftrightarrow \updownarrow

Plot the points on the graph. Label each point and tell what quadrant/axis it falls into.

A (1, 3) Quadrant: I

B (-1, -3) Quadrant: III

C (1, -3) Quadrant: IV

D (-1, 3) Quadrant: II

E (0, 8) Axis: y-axis

F (8, 0) Axis: x-axis

G (-2, -10) Quadrant: III

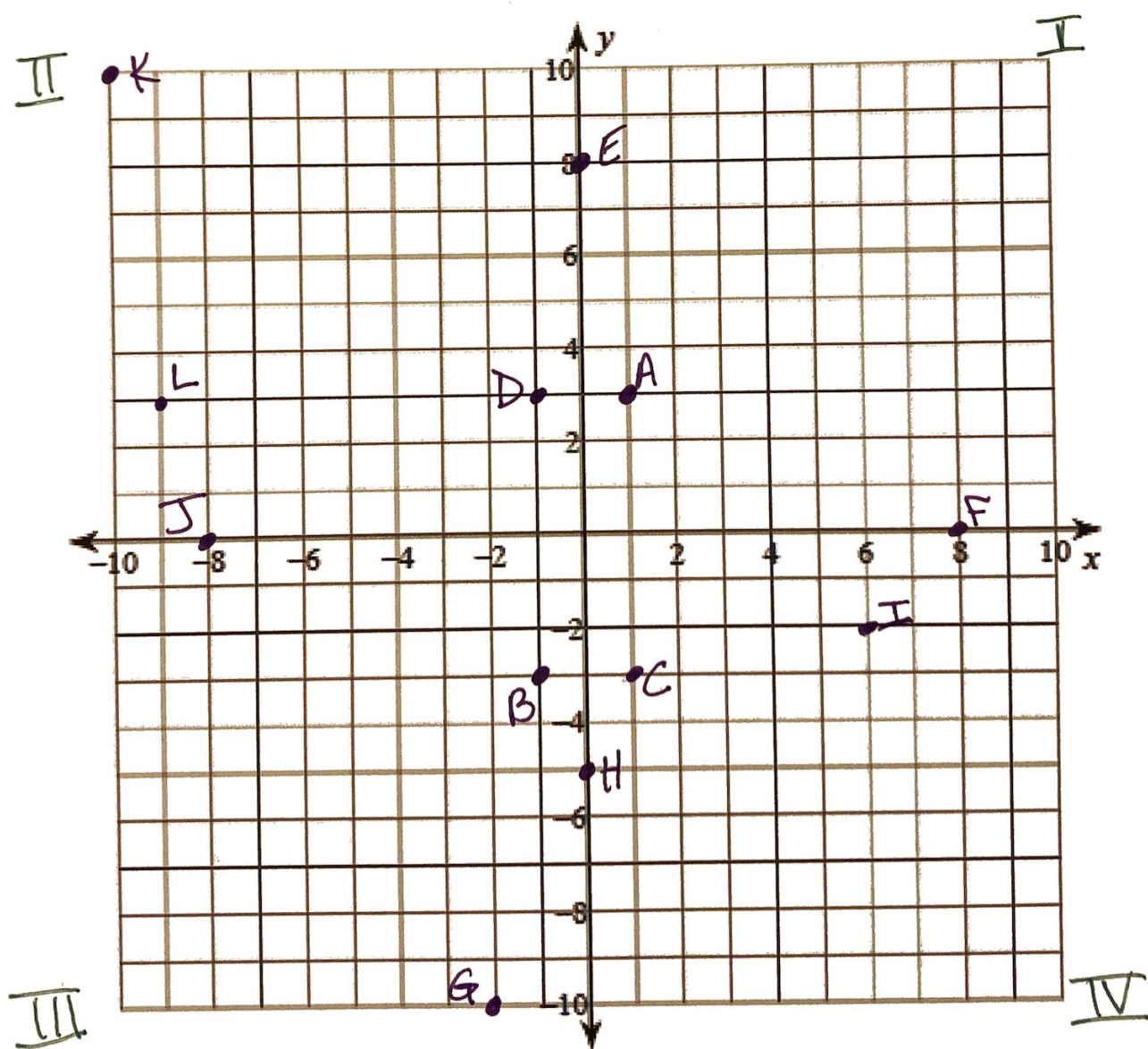
H (0, -5) Quadrant: y-axis

I (6, -2) Quadrant: IV

J (-8, 0) Quadrant: x-axis

K (-10, 10) Quadrant: II

L (-9, 3) Quadrant: II



Write the coordinates of each point on the graph. Tell what quadrant/axis it falls into.

A (-5, 8) Quadrant: II

G (4, 7) Quadrant: I

B (2, 0) Quadrant: x-axis

H (8, -7) Quadrant: IV

C (-8, 0) Quadrant: x-axis

I (0, -9) Quadrant: y-axis

D (3, -4) Quadrant: IV

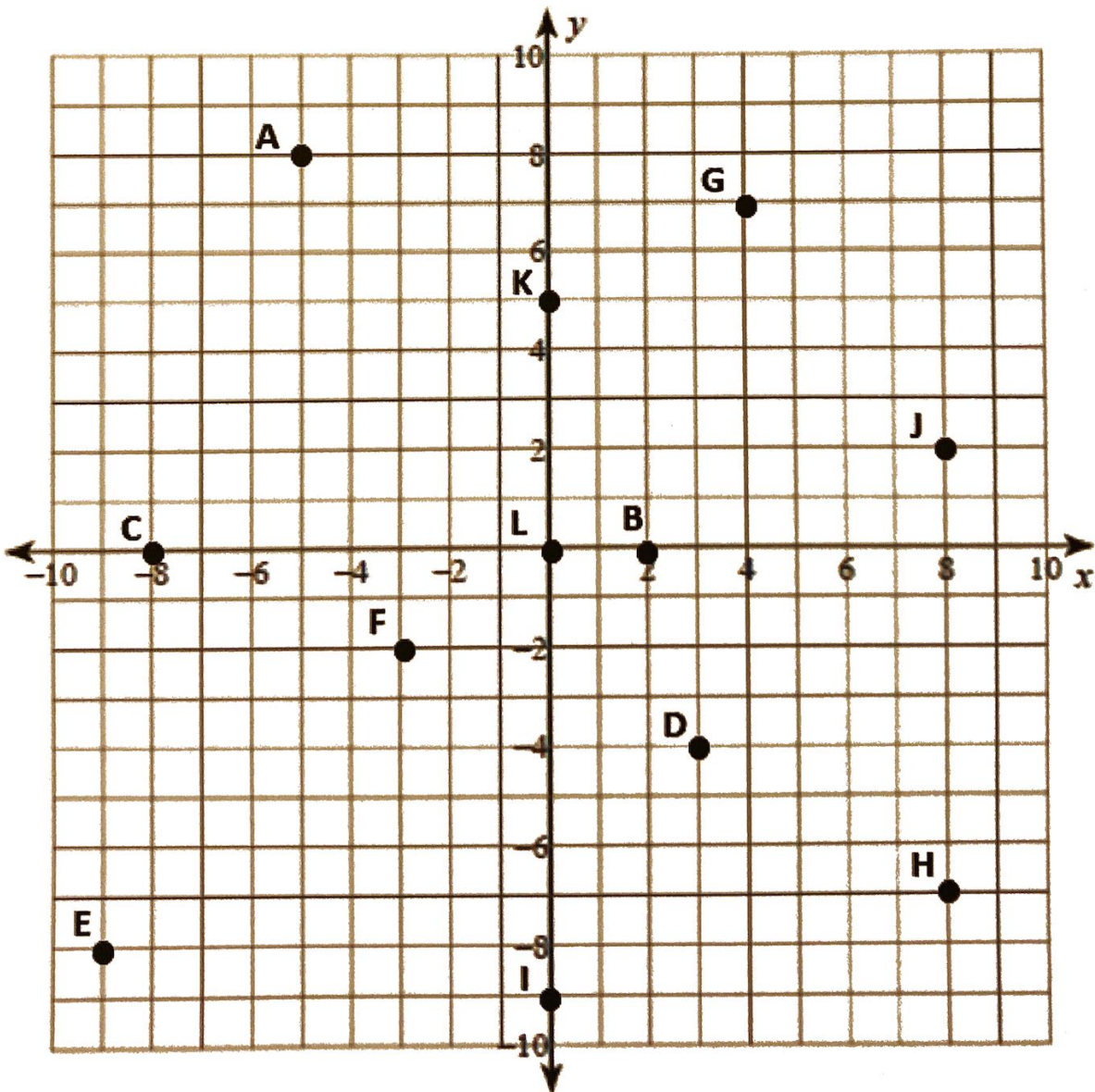
J (8, 2) Quadrant: I

E (-9, -8) Quadrant: III

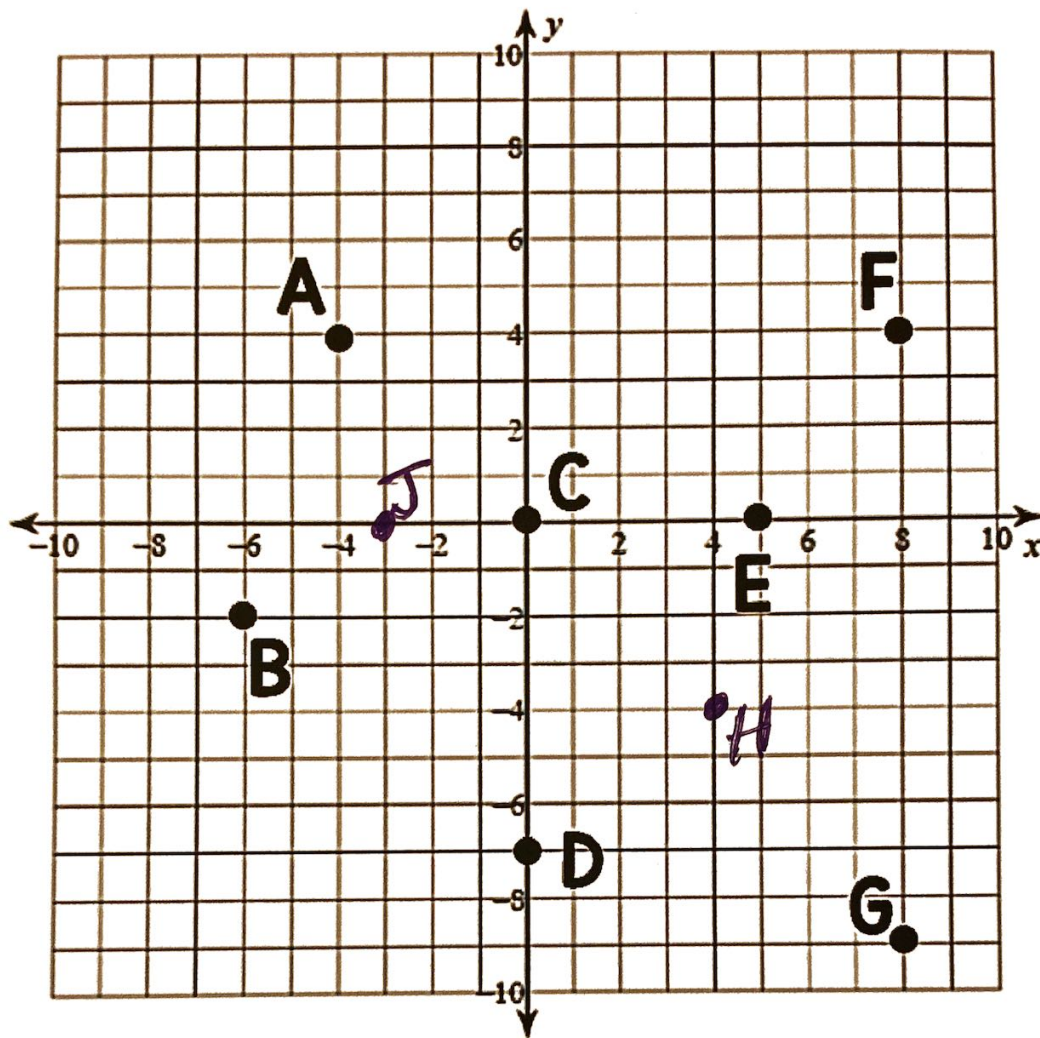
K (0, 5) Quadrant: y-axis

F (-3, -2) Quadrant: III

L (0, 0) Quadrant: origin



PUTTING IT ALL TOGETHER



1. Which point is located on the origin? *C*
2. Which point is on the x-axis (not including the point on the origin)? *E*
3. Which point is located at $(-6, -2)$? *B*
4. Which point is in Quadrant IV? *G*
5. Plot point H at $(4, -4)$.
6. Plot point J at $(-3, 0)$.
7. What are the coordinates of point F? *(8, 4)*
8. What are the coordinates of point D? *(0, -7)*