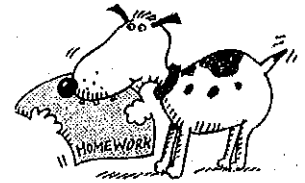


NAME \_\_\_\_\_ DATE \_\_\_\_\_



### 6.G.3 HOMEWORK: Graphing Figures & Finding Lengths

**Directions:** On the pieces of grid paper provided, set up a coordinate plane with an x- and y-axis. Graph the points below in order, connecting the points as you go. When you see the word LIFT, pick up your pencil and do not connect to the next ordered pair.

1. (-2, 9)  
(6, 9)  
(6, 15)  
(-2, 9)  
LIFT

3. (2, 3)  
(4, 0)  
(12, 0)  
(10, 3)  
(2, 3)  
LIFT

2. (0, -6)  
(-4, -11)  
(-4, -18)  
(4, -18)  
(4, -11)  
(0, -6)  
LIFT

4. (1, 1)  
(-1, 1)  
(-1, -1)  
(1, -1)  
(1, 1)  
LIFT

5. Identify each figure above by shape. Write them in order below:

8. On the graph, identify ONLY the horizontal and vertical side lengths for figures #2 and #3.

9. Add your own geometric figure to the graph. List the ordered pairs of the vertices below:

## "POLYGON INITIALS" ACTIVITY: VERTEX COORDINATE LOG

**\*\* DO NOT write your name anywhere on this paper! \*\***

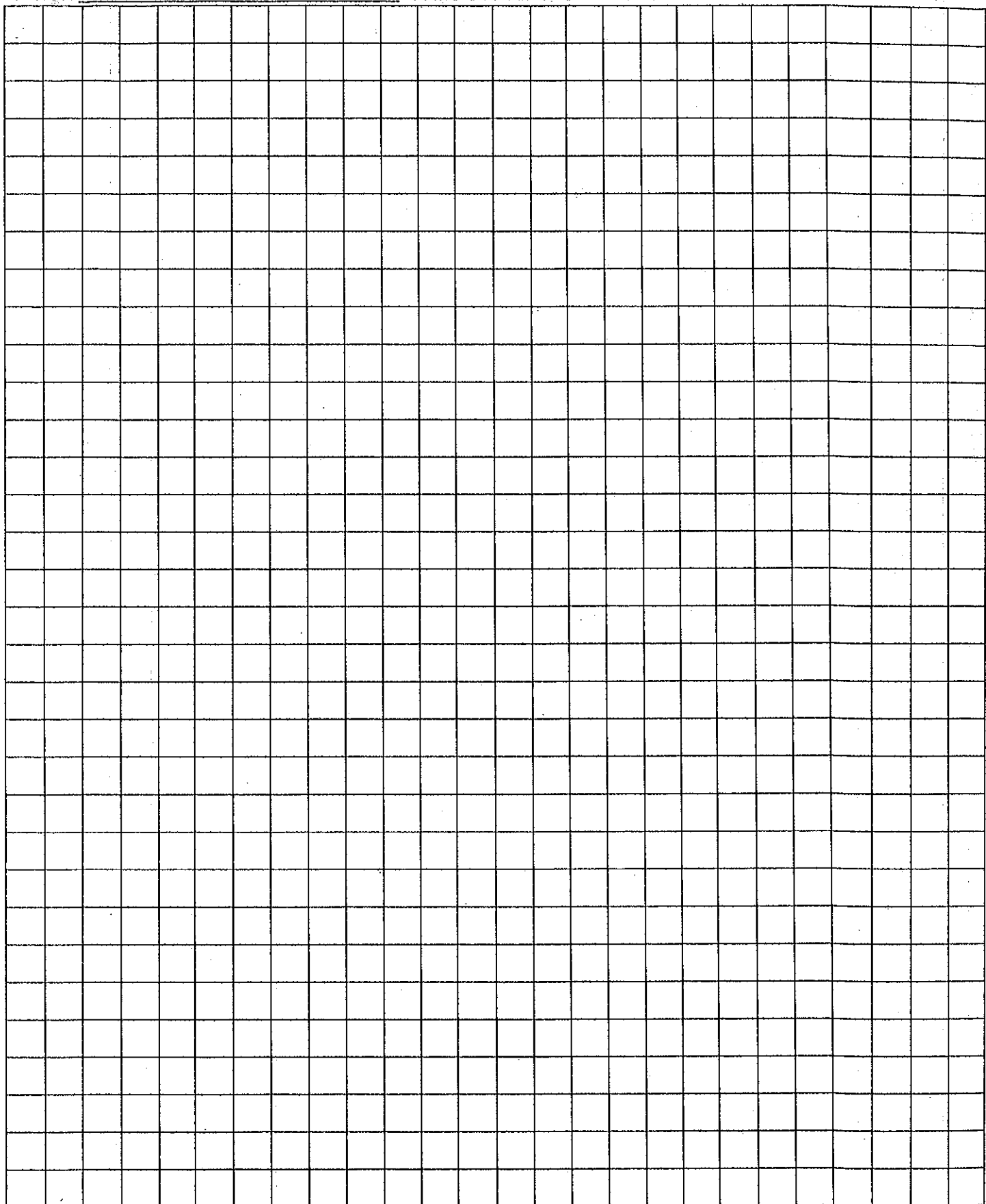
In the table below, please record the coordinates for all of the vertices of your polygons.

FIRST LETTER	SECOND LETTER
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )
( __ , __ )	( __ , __ )

**\*\*use back of sheet if more space is needed!\*\***

NAME \_\_\_\_\_

### 6.G.3 HOMEWORK Grid



NAME \_\_\_\_\_

DATE \_\_\_\_\_

MY POLYGON INITIALS

Grade 6 Mathematics

