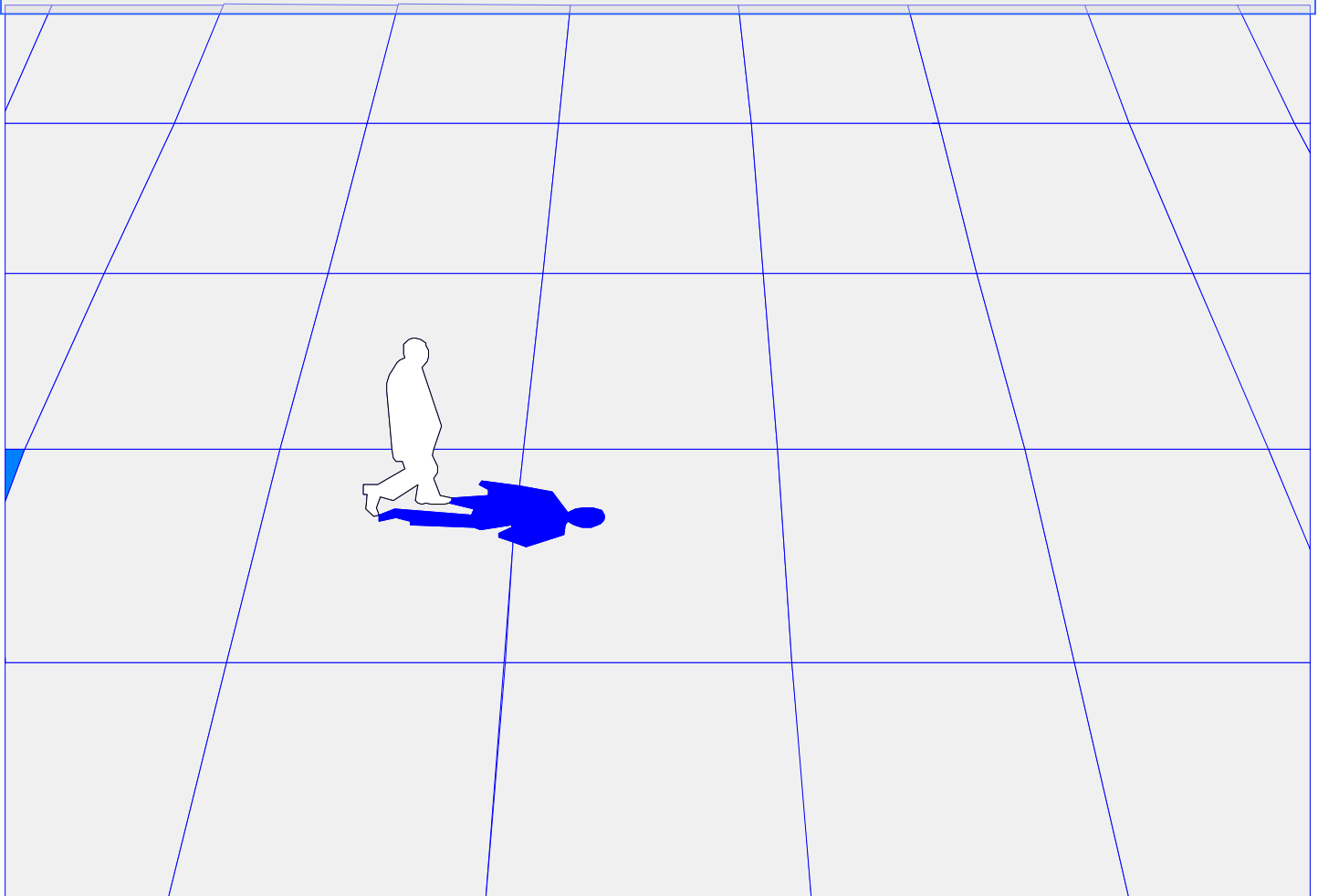
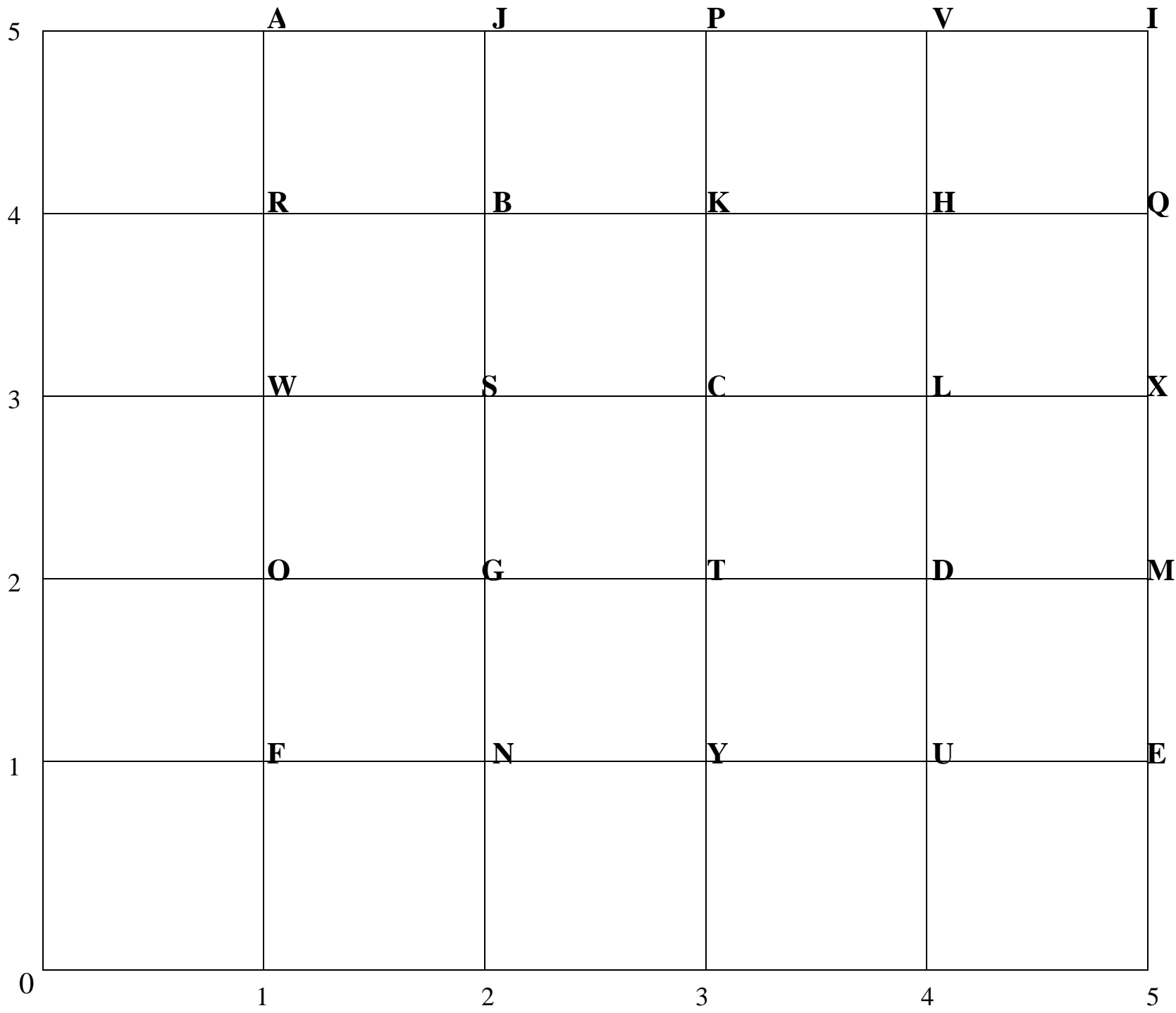


# DeSigning Coördinates

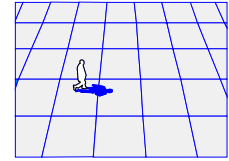
Geometry words are written in secret code. Look at the grid. Each point has a letter. Find each coordinate point. The point will tell you a letter. Look at the first number. Count across. Look at the second number. Count up. Look at the letter on the point. Write the letter on the line. Find each letter of the word. Write one letter on each line. What does the word say? Show the word. Draw a picture of it next to the word. Use tangrams to draw the shapes. Transfer the tangram shape by tracing around it.





Name \_\_\_\_\_

# Designing Coordinates



1.  $\overline{(2,3)}$   $\overline{(3,1)}$   $\overline{(5,2)}$   $\overline{(5,2)}$   $\overline{(5,1)}$   $\overline{(3,2)}$   $\overline{(1,4)}$   $\overline{(3,1)}$

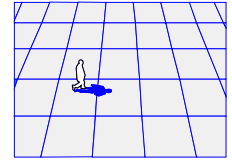
2.  $\overline{(4,3)}$   $\overline{(5,5)}$   $\overline{(2,1)}$   $\overline{(5,1)}$   $\overline{(1,2)}$   $\overline{(1,1)}$   $\overline{(2,3)}$   $\overline{(3,1)}$   $\overline{(5,2)}$   $\overline{(5,2)}$   $\overline{(5,1)}$   $\overline{(3,2)}$   $\overline{(1,4)}$   $\overline{(3,1)}$

3.  $\overline{(3,3)}$   $\overline{(1,2)}$   $\overline{(2,1)}$   $\overline{(2,2)}$   $\overline{(1,4)}$   $\overline{(4,1)}$   $\overline{(5,1)}$   $\overline{(2,1)}$   $\overline{(3,2)}$

4.  $\overline{(2,3)}$   $\overline{(4,4)}$   $\overline{(1,5)}$   $\overline{(3,5)}$   $\overline{(5,1)}$   $\overline{(5,5)}$   $\overline{(2,1)}$   $\overline{(1,5)}$   $\overline{(2,3)}$   $\overline{(4,4)}$   $\overline{(1,5)}$   $\overline{(3,5)}$   $\overline{(5,1)}$

5.  $\overline{(2,3)}$   $\overline{(4,3)}$   $\overline{(5,5)}$   $\overline{(4,2)}$   $\overline{(5,1)}$

6.  $\overline{(1,1)}$   $\overline{(4,3)}$   $\overline{(5,5)}$   $\overline{(3,5)}$

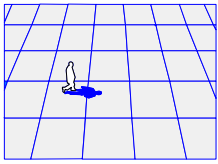


7.  $\overline{(3,2)}$   $\overline{(4,1)}$   $\overline{(1,4)}$   $\overline{(2,1)}$

8.  $\overline{(1,4)}$   $\overline{(1,2)}$   $\overline{(3,2)}$   $\overline{(1,5)}$   $\overline{(3,2)}$   $\overline{(5,5)}$   $\overline{(2,1)}$   $\overline{(2,2)}$   $\overline{(3,5)}$   $\overline{(1,5)}$   $\overline{(3,2)}$   $\overline{(3,2)}$   $\overline{(5,1)}$   $\overline{(1,4)}$   $\overline{(2,1)}$

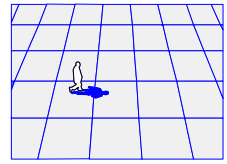
9.  $\overline{(1,4)}$   $\overline{(5,1)}$   $\overline{(3,5)}$   $\overline{(5,1)}$   $\overline{(1,5)}$   $\overline{(3,2)}$   $\overline{(3,5)}$   $\overline{(1,5)}$   $\overline{(3,2)}$   $\overline{(3,2)}$   $\overline{(5,1)}$   $\overline{(1,4)}$   $\overline{(2,1)}$

10. Color the two patterns symmetrically.



# Literacy Link

## DeSigning Coordinates



You can write words in secret code. You can find each letter by finding its coordinate point on the grid. First, find the first number by counting across. Then, find the second number by counting up. When you find the point write the letter that is at the point, on the line where you are writing the word. After you have decoded the word, illustrate it next to the written word. You must use tangrams to design your illustration. Transfer the tangram shapes to make the pattern you design by tracing around the shape.

(2,3) (3,1) (5,2) (5,2) (5,1) (3,2) (1,4) (3,1)

(4,3) (5,5) (2,1) (5,1) (1,2) (1,1) (2,3) (3,1) (5,2) (5,2) (5,1) (3,2) (1,4) (3,1)

Write other words in code. See if your family can decode them.

