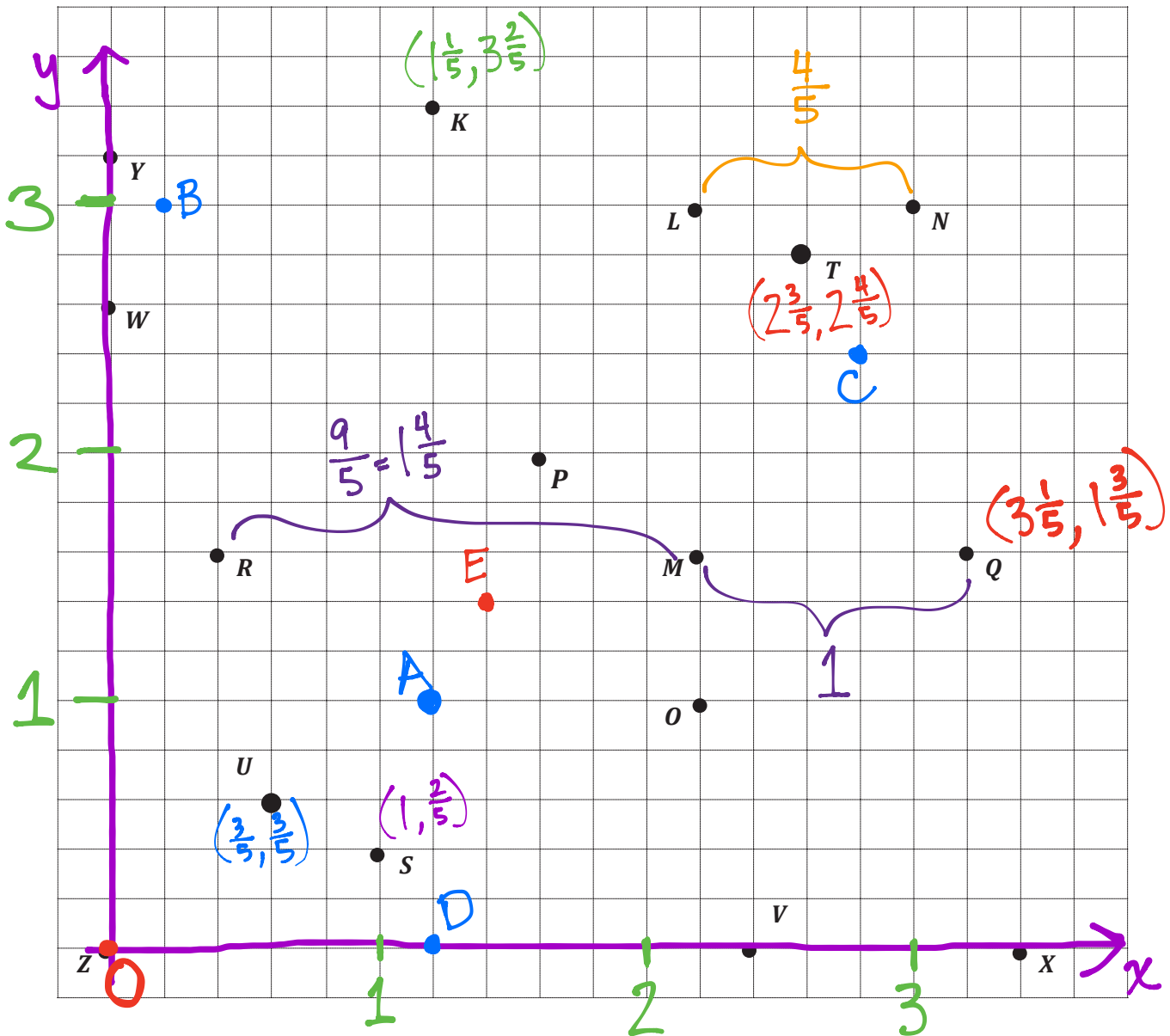


Name _____

Date _____

1. Use the grid below to complete the following tasks.
 - a. Construct a y -axis that passes through points Y and Z .
 - b. Construct a perpendicular x -axis that passes through points Z and X .
 - c. Label the origin as O .
 - d. The y -coordinate of W is $2\frac{3}{5}$. Label the whole numbers along the y -axis.
 - e. The x -coordinate of V is $2\frac{2}{5}$. Label the whole numbers along the x -axis.



2. For all of the following problems, consider the points K through X on the previous page.
- Identify all of the points that have a y -coordinate of $1\frac{3}{5}$. R, M, Q
 - Identify all of the points that have an x -coordinate of $2\frac{1}{5}$. O, M, L
 - Which point is $1\frac{3}{5}$ units above the x -axis and $3\frac{1}{5}$ units to the right of the y -axis? Name the point and give its coordinate pair. Q
 - Which point is located $1\frac{1}{5}$ units from the y -axis? K
 - Which point is located $\frac{2}{5}$ units along the x -axis? R
 - Give the coordinate pair for each of the following points.
 T: $(2\frac{3}{5}, 2\frac{4}{5})$ U: $(\frac{3}{5}, \frac{3}{5})$ S: $(1, \frac{2}{5})$ K: $(1\frac{1}{5}, 3\frac{2}{5})$
 - Name the points located at the following coordinates.
 $(\frac{3}{5}, \frac{3}{5})$ U $(3\frac{2}{5}, 0)$ V $(2\frac{1}{5}, 3)$ L $(0, 2\frac{3}{5})$ W
 - Plot a point whose x - and y -coordinates are equal. Label your point E . *Answers will vary.*
 - What is the name for the point on the plane where the two axes intersect? Origin Give the coordinates for this point. (0, 0)
 - Plot the following points.
 A: $(1\frac{1}{5}, 1)$ B: $(\frac{1}{5}, 3)$ C: $(2\frac{4}{5}, 2\frac{2}{5})$ D: $(1\frac{1}{5}, 0)$
 - What is the distance between L and N , or LN ? $\frac{4}{5}$
 - What is the distance of MQ ? 1
 - Would RM be greater than, less than, or equal to $LN + MQ$? *Equal*
 - Leslie was explaining how to plot points on the coordinate plane to a new student, but she left off some important information. Correct her explanation so that it is complete.

"All you have to do is read the coordinates; for example, if it says (4, 7), count four, then seven, and put a point where the two grid lines intersect."

She forgot to specify that 4 is on the x axis and that 7 is on the y axis.