Coordinate Geometry Worksheets

Plot the following points on the coordinate plane to the right.



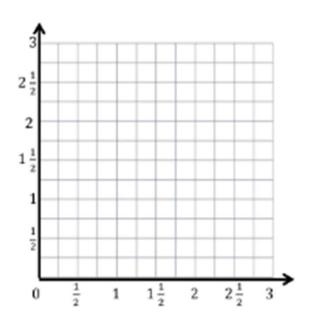


S:
$$(1\frac{1}{2}, \frac{3}{4})$$

a. Use a straightedge to draw a line to connect these points. Label the line A.







Line \hbar is parallel perpendicular to the x-axis.

Line h is parallel perpendicular to the y-axis.

- d. What pattern occurs in the coordinate pairs that let you know that line ♣ is vertical?
- 3. For each pair of points below, think about the line that joins them. For which pairs is the line parallel to the x-axis? Circle your answer(s). Without plotting them, explain how you know.

c.
$$(1\frac{1}{4}, 2)$$
 and $(1\frac{1}{4}, 8)$

4. For each pair of points below, think about the line that joins them. For which pairs is the line parallel to the y-axis? Circle your answer(s). Then, give 2 other coordinate pairs that would also fall on this line.

b.
$$(\frac{3}{5}, 2\frac{3}{5})$$
 and $(\frac{1}{5}, 3\frac{1}{5})$

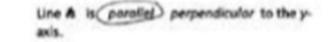
b.
$$(\frac{3}{5}, 2\frac{3}{5})$$
 and $(\frac{1}{5}, 3\frac{1}{5})$ c. (0.8, 1.9) and (0.8, 2.3)

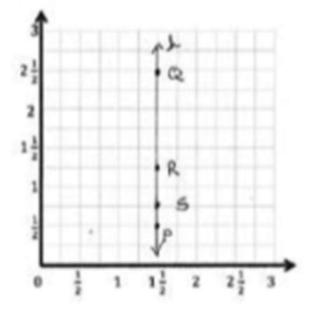
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2. Plot the following points on the coordinate plane to the right.



- a. Use a straight edge to draw a line to connect these points. Label the line A.
- b. In line Ax = 1 for all values of y.
- c. Circle the correct word.



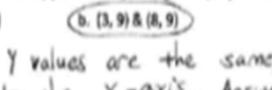


d. What pattern occurs in the coordinate pairs that let you know that line A is vertical?

All of the x values are the same, but the y values are different.

3. For each pair of points below, think about the line that joins them. For which pairs is the line parallel to the x-axis? Circle your answer(s). Without plotting them, explain how you know.

a. (1.4, 2.2) & (4.1, 2.4)

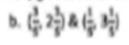


c. (1 1, 2) & (1 1, 8)

only choice like that.

4. For each pair of points below, think about the line that joins them. For which pairs is the line parallel to the y-axis? Circle your answer(s). Then, give 2 other coordinate pairs that would also fall on this line.

a. (4, 12) & (6, 12)



b. (\$, 2\$) & (\$, 3\$) (0.8, 2.9) and (0.8, 5)