GP Geometry

3.4 Assignment

Part A

1a. Find the distance from point P to $\overleftrightarrow{AB}$.
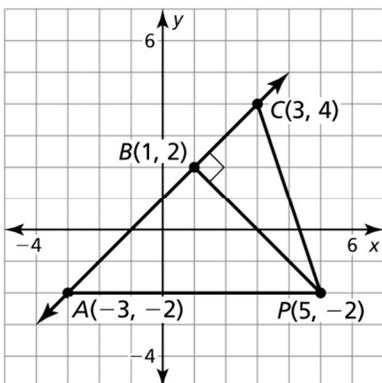
1b. Find the distance from point P to $\overleftrightarrow{QS}$.
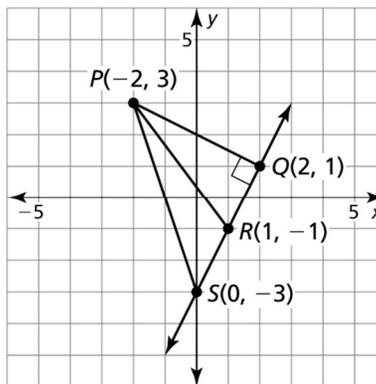
In Exercises 3 and 4, determine which lines, if any, must be parallel. Explain your reasoning.
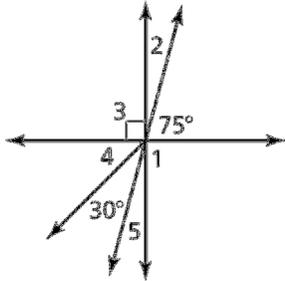
3.

4.
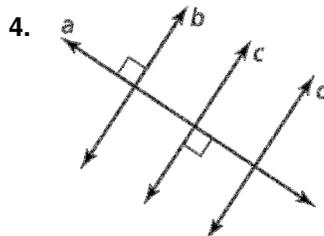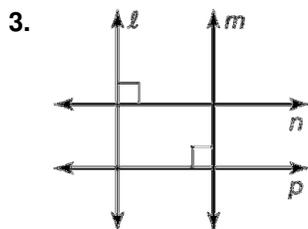
6. Your friend claims that there is only one line that can be drawn perpendicular to $\overline{PQ}$. Is your friend correct? Explain your reasoning.

7. Draw and label line n that is the perpendicular bisector of $\overline{AB}$

Part B

6. Find all the unknown angle measures in the diagram.
Justify your answer for each angle measure.

7. Draw the perpendicular bisector of each segment.