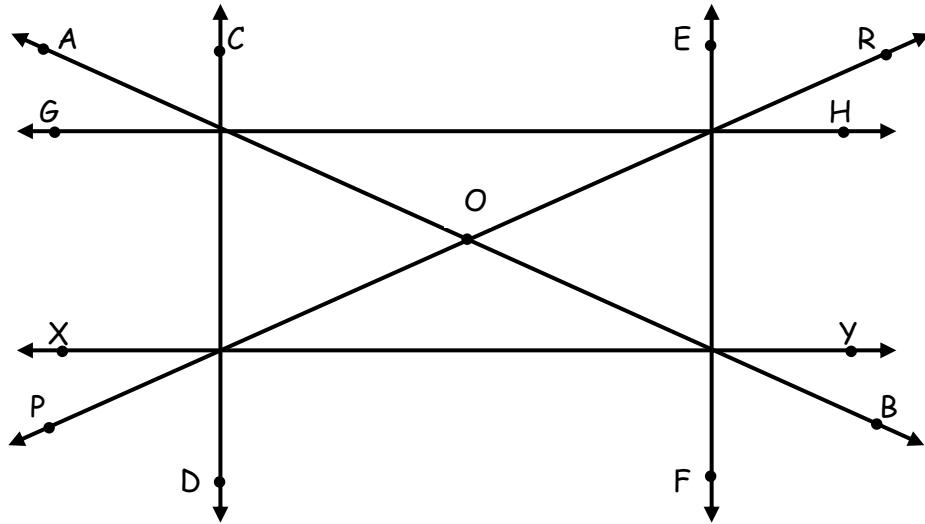


Look at the following figure and answer the questions below.



- 1) What is the intersecting point of \overleftrightarrow{AB} and \overleftrightarrow{RP} ? _____
- 2) Write two pairs of parallel lines and perpendicular lines in the above figure. _____
- 3) Is there any line parallel to \overleftrightarrow{AB} ? _____
- 4) Name the lines that are perpendicular to \overleftrightarrow{EF} .

- 5) Is line \overleftrightarrow{CD} perpendicular to any line? _____
- 6) Name all the lines that line PR is intersecting.

- 7) Is \overleftrightarrow{AB} perpendicular to \overleftrightarrow{PR} ? _____
- 8) Are lines \overleftrightarrow{GH} and \overleftrightarrow{XY} perpendicular to any other line other than \overleftrightarrow{CD} ?

1) Point O

2) $\overleftrightarrow{CD} \parallel \overleftrightarrow{EF}$, $\overleftrightarrow{GH} \parallel \overleftrightarrow{XY}$ AND $\overleftrightarrow{CD} \perp \overleftrightarrow{GH}$, $\overleftrightarrow{CD} \perp \overleftrightarrow{XY}$

3) No

4) \overleftrightarrow{GH} and \overleftrightarrow{XY}

5) Yes, \overleftrightarrow{GH} and \overleftrightarrow{XY}

6) \overleftrightarrow{XY} , \overleftrightarrow{CD} , \overleftrightarrow{AB} , \overleftrightarrow{GH} and also \overleftrightarrow{EF} .

7) No. they are intersecting lines.

8) Yes. They are also perpendicular to \overleftrightarrow{EF} .