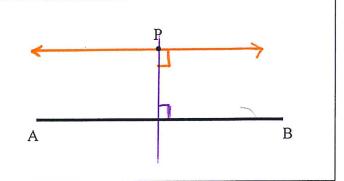
Name:	Period:	

Practice; Construct one line <u>parallel</u> and one line <u>perpendicular</u> to \overline{AB} through point P.

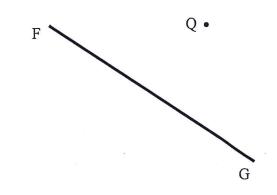


1) Construct one $\underline{\text{line}}$ parallel and one line perpendicular to \overline{CD} through point O.

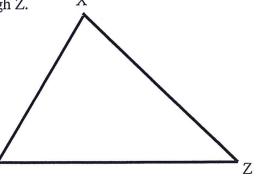
0

C D

2) Construct one line <u>parallel</u> and one line <u>perpendicular</u> to \overline{FG} through point Q



- 3) Make all three constructions
- a) Construct a line perpendicular to \overline{YZ} through X.
- b) Construct a line <u>perpendicular</u> to \overline{XZ} through Y.
- c) Construct a line **perpendicular** to \overline{XY} through Z.
- d) Construct a line parallel to XY through Z.
- e) Construct a line **parallel** to X through Y.
- f) Construct a line parallel to YZ through X.



Y

Construct lines a, b, c, d and e in the same plane. How are **a** and **e** related? Write a proof showing the relationship!

5.) a
$$\underline{\hspace{0.1cm}}$$
 b, b $||$ c, c $\underline{\hspace{0.1cm}}$ d, d $||$ e