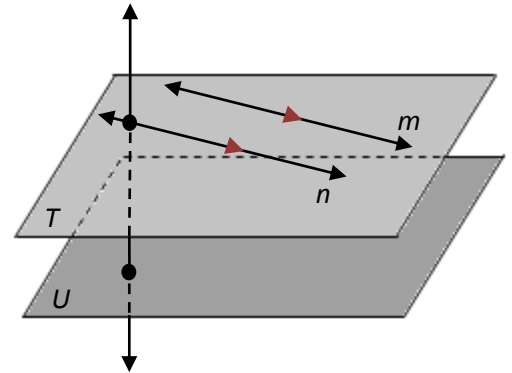


Two lines that **do not** intersect are **either** \_\_\_\_\_ **or** \_\_\_\_\_.

Two lines are \_\_\_\_\_ **if** \_\_\_\_\_.

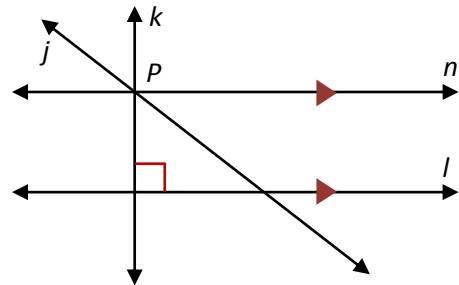
Two lines are \_\_\_\_\_ **if** \_\_\_\_\_.

Two planes \_\_\_\_\_.



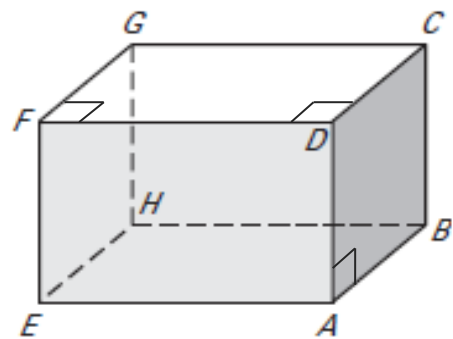
**Parallel and Perpendicular lines**

Two lines in the same plane are **either** \_\_\_\_\_ **or** \_\_\_\_\_.



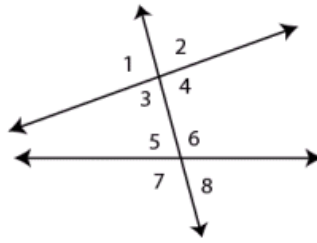
**Practice:** Think of each segment in the figure as part of a **line** (e.g., think of  $\overline{FG}$  as  $\overleftrightarrow{FG}$ ). Which line(s) or plane(s) in the figure fit each description?

- a) Line(s) **parallel** to  $\overleftrightarrow{FG}$ .
- b) Line(s) **parallel** to  $\overleftrightarrow{FG}$  and contain point  $D$ .
- c) Line(s) **skew** to  $\overleftrightarrow{AB}$ .
- d) Line(s) **skew** to  $\overleftrightarrow{AB}$  and contain point  $G$ .
- e) Line(s) **perpendicular** to  $\overleftrightarrow{FG}$  and contain point  $E$ .
- f) Plane(s) **parallel** to plane  $GHB$ .



## Angles and Transversals.

A \_\_\_\_\_ is a line that \_\_\_\_\_.



## Angles formed by Transversals

Definition	Example
Two angles are _____ if	
Two angles are _____ if	
Two angles are _____ if	
Two angles are _____ if	

**Practice:** Identify the relationship between each pair of angles.

a)  $\angle 1$  and  $\angle 7$

b)  $\angle 3$  and  $\angle 6$

c)  $\angle 8$  and  $\angle 7$

d)  $\angle 4$  and  $\angle 8$

e)  $\angle 3$  and  $\angle 5$

d)  $\angle 2$  and  $\angle 4$

