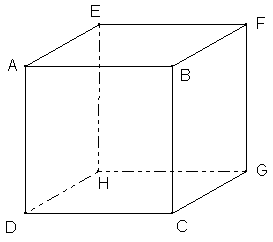
Not all lines and planes intersect.

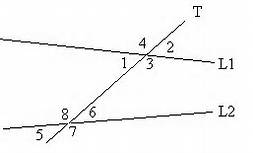
Lines that do not intersect are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The symbol shows that lines or planes are parallel. For example:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ means that “Line AB is parallel to line CD.”

Lines that are not in the same plane AND do not intersect are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



**Parallel Planes:**

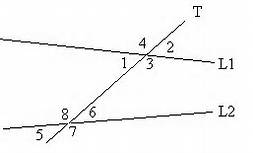
[](http://www.bing.com/images/search?q=2+lines+and+transversal&qs=ds&form=QBIR#view=detail&id=40B2DDFF14BBDAE51B2DDD26E23C513A4128BB0F&selectedIndex=18)**Transversals:**

The diagram shows lines *L1* and *L2* intersected by line *T*. Line *T* is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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

The angles formed are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| Interior | Exterior |
|  |  |

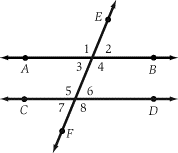
[](http://www.bing.com/images/search?q=2+lines+and+transversal&qs=ds&form=QBIR#view=detail&id=40B2DDFF14BBDAE51B2DDD26E23C513A4128BB0F&selectedIndex=18)

In addition, when a transversal cuts 2 lines, four types of angles pairs are formed:

|  |  |  |
| --- | --- | --- |
| **Angle Pair** | **Description** | **Examples** |
| Alternate Interior |  |  |
| Alternate Exterior |  |  |
| Same-side interior |  |  |
| Corresponding |  |  |

Example:

1. Line is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



1. Name all pairs of corresponding angles
2. Name all pairs of alternate interior angles
3. Name all pairs of Same side interior angles
4. Name all pairs of alternate exterior angles