## Parallel Lines:

* Lines in the same plane that never intersect.


## Parallel Planes:

* Planes that never intersect.
* Examples: ceiling \& floor, front wall \& wall


## Skew Lines:

* Lines that do not intersect and are not coplanar (in the same plane).


## Transversal:

* A line that intersects two or more lines in a plane at different points.


interior angles: $<3,<4,<5,<6$
consecutive interior angles: $<4 \alpha<5<3 x<6$
alternate interior angles: $<4 k<6,<3 \times<5$
alternate exterior angle: $<2 \nless<8,<1+<7$
corresponding angles: $<1 \&<5,<2+6,<3+8,<4 \alpha<8$


## 1. Use Example 1 on page 127:

a. Name all planes that are parallel to plane AEF. dane $\angle B C$
b. Name all segments that intersect segment $A F . \overline{A B}, \overline{F G}, \overline{A D}, \overline{F E}$

c. Name all segments parallel to segment $D C . E H, \overrightarrow{A B}, \overline{F G}$
d. Name all segments that are skew to

$$
\text { segment AD. } \widetilde{F G}, \widetilde{E H}, \widehat{G B}, \widehat{C H}
$$

2. Use Example 3 on pg. 128. Identify each pair of angles as alternate interior, alternate exterior, corresponding, or consecutive interior angles.
a. angles 7 and 3
b. angles 8 and 2
c. angles 4 and 11
d. angles 7 and 1
e. angles 3 and 9
f. angles 7 and 10

