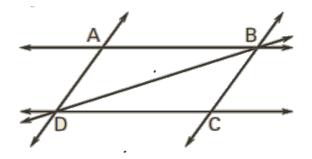
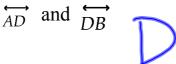
## Warm Up

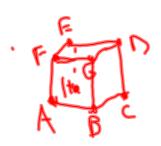
1. Name a line that does not intersect  $\stackrel{\longleftrightarrow}{AD}$ 



2. What is the intersection of



3. Draw a cube and label every vertex.



## 3-1 Pairs of Lines and Angles

parallel lines 2 lines in space that don't intersect
skew lines 2 lines in space that don't intersect
and aren't parallel
transversal a line that intersects
two other lines
parallel planes

postulate sheet - #13 & #14

3-1 Notes.notebook October 08, 2012

corresponding angles

Lland LZ

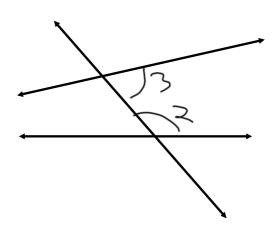
alternate interior angles

23 and 24

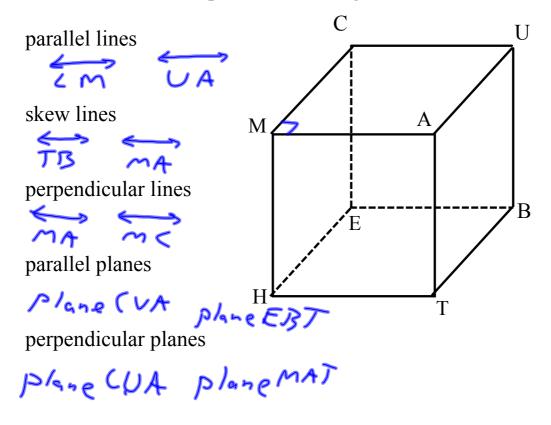
alternate exterior angles



consecutive interior angles



Ex 1 Give an example of each, using the cube

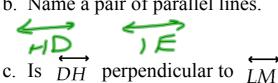


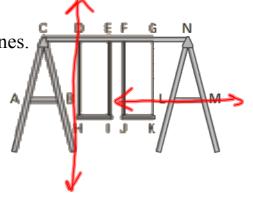
## Use the figure. Ex. 2

a. Name a pair of perpendicular lines.

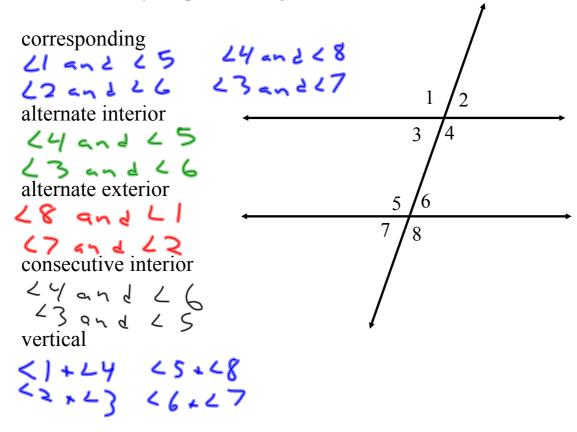


b. Name a pair of parallel lines.





Identify all pairs of angles. Ex 3



- Ex. 4 Complete the statement with always, sometimes, or never. Make a sketch to justify your answer.
  - a. If two lines are perpendicular, then they are coplanar.
  - b. If two lines are coplanar, then they <u>Sametimes</u> intersect.
  - c. If two lines are skew, then they are parallel.