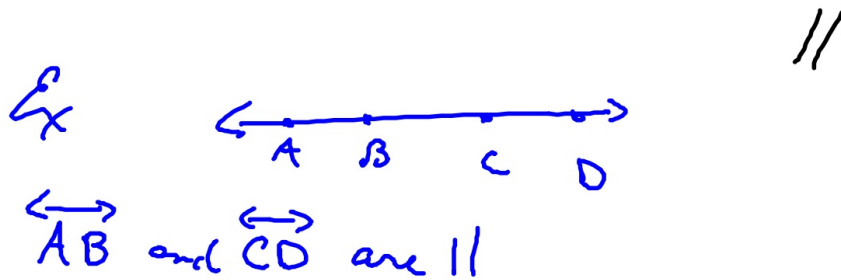


PL-Day 1

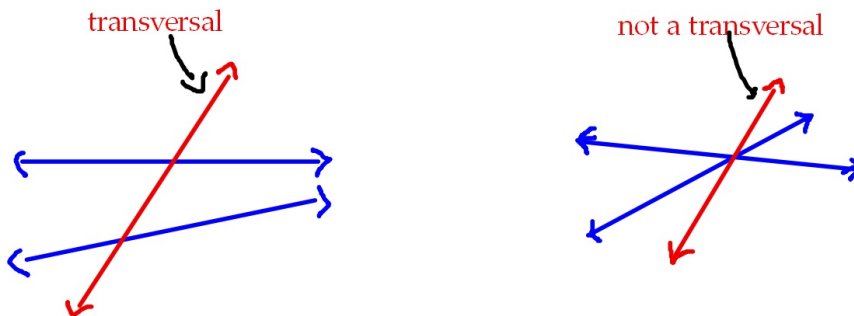
Parallel Lines - lines with the same slope

- coplaner lines that have no points in common, or have all points in common.

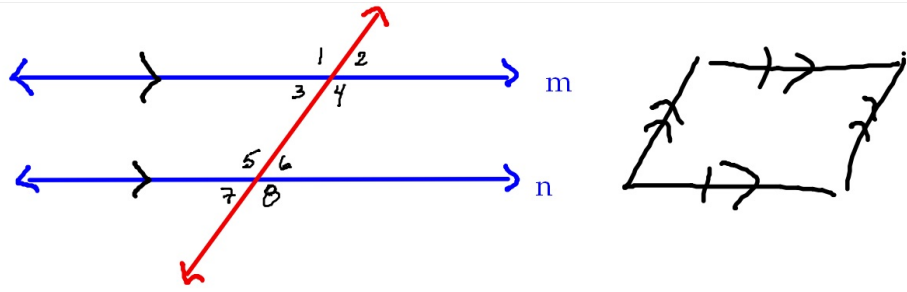


Page 1

Transversal- A line that intersects two other coplaner lines in two different points.



Page 2



Interior angles : 3, 4, 5, 6

Exterior angles: 1, 2, 7, 8

Corresponding angles: $\angle 1$ and $\angle 5$, $\angle 2$ and $\angle 6$

Alternate interior angles: $\angle 3$ and $\angle 6$, $\angle 4$ and $\angle 5$

Alternate exterior angles $\angle 1$ and $\angle 8$, $\angle 2$ and $\angle 7$

Page 3

Methods of Proving lines parallel

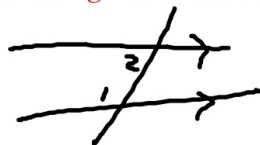
1. A pair of alternate interior angles are congruent



2. A pair of corresponding angles are congruent



3. A pair of interior angles on the same side are supplementary.



$$m\angle 1 + m\angle 2 = 180$$

4. Both lines are perpendicular to the same line.



5. A pair of alternate exterior angles are congruent.



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