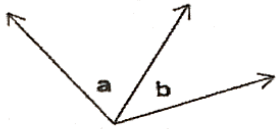
Geometry
Notes – 1.2

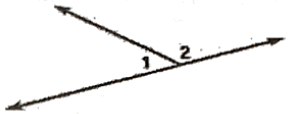
Name_____

Angle Pair Relationships

adjacent angles – two angles that share a common vertex and side, but have no common interior point – next to each other

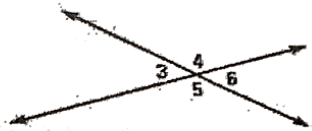


linear pair – two adjacent angles that form a straight line



∠1 and ∠2 are a linear pair.

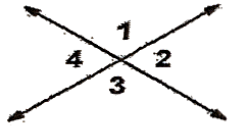
vertical angles – two angles whose sides form linear pairs – across from each other – ALWAYS congruent (equal)



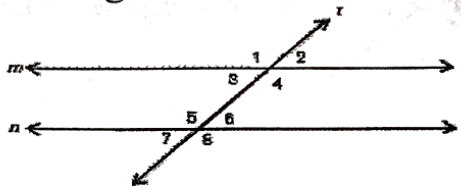
∠3 and ∠6 are vertical angles.
∠4 and ∠5 are vertical angles.

Examples 1 – 2: Identify pairs of linear pairs and vertical angles.

1.



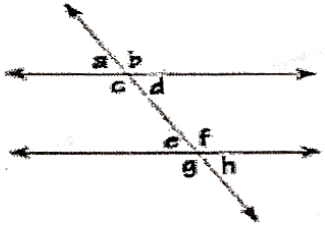
3.



Practice 3 – 4: Identify pairs of linear pairs and vertical angles.

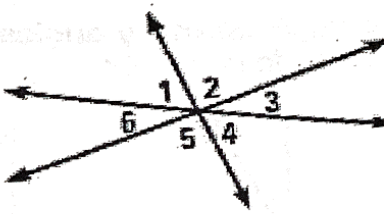
3.

4.



Examples 5 – 6:

5. Using the diagram, identify all pairs of vertical angles.



6. Even though we have straight lines, why are there no linear pairs?