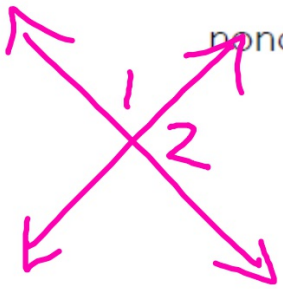
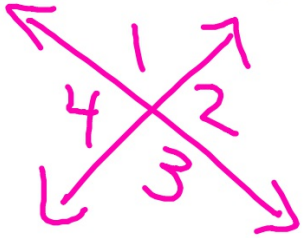
Adjacent Angles are two angles that share a common vertex and side, but have no common interior points.

Two adjacent angles are a **Linear Pair** if their noncommon sides are opposite rays.

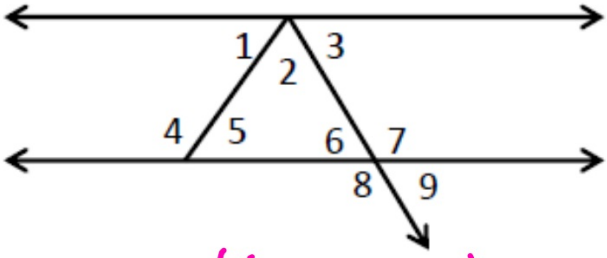


Two angles are **Vertical Angles** if their sides form two pairs of opposite rays.



$\angle 1 \cong \angle 3$ $\angle 2 \cong \angle 4$

Example 3: Use the diagram to determine whether the angles are adjacent, vertical, a linear pair, or none of the above.



a) ∠1 and ∠2 adjacent

b) ∠4 and ∠5 Linear Pair

c) ∠7 and ∠9 Linear Pair

d) ∠6 and ∠9 Vertical

e) ∠2 and ∠6 None