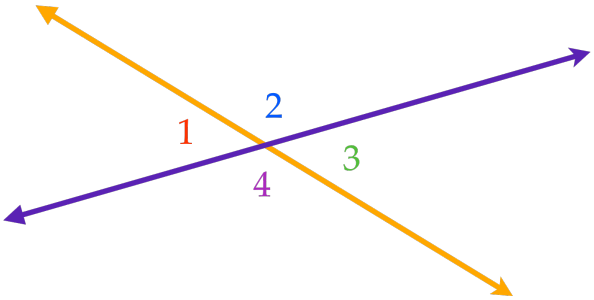
Angle Relationship Names (Adjacent, Vertical, and Linear Pair)

Name _____

Date _____ Period _____



Adjacent Angles

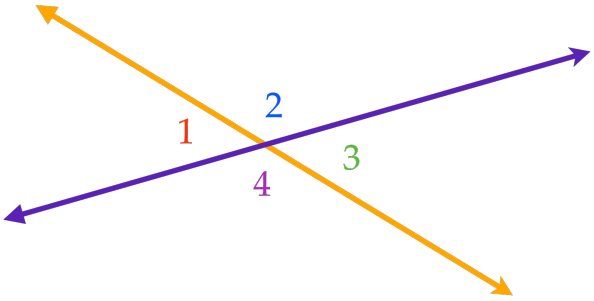
two angles with a common vertex and a common side, but no common interior points

∠1 and ∠2 are adjacent angles

∠2 and ∠3 are adjacent angles

∠3 and ∠4 are adjacent angles

∠1 and ∠4 are adjacent angles

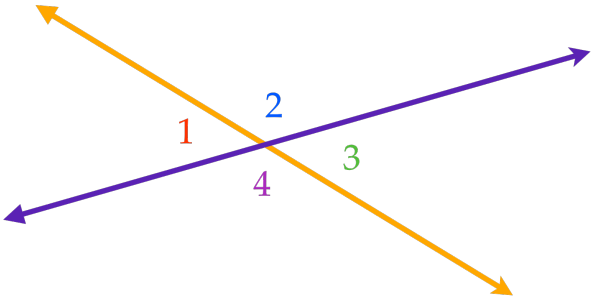


Vertical Angles

two non-adjacent angles formed by two intersecting lines

∠1 and ∠3 are vertical angles

∠2 and ∠4 are vertical angles

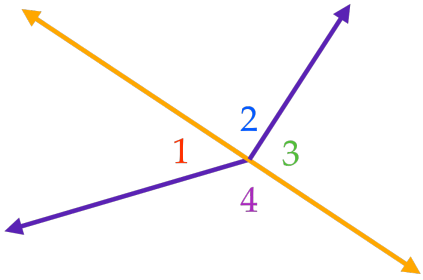


Linear Pair

adjacent angles whose non-common sides are opposite rays forming a line

∠1 and ∠2 form a linear pair
∠2 and ∠3 form a linear pair
∠3 and ∠4 form a linear pair
∠1 and ∠4 form a linear pair

Do all adjacent angles form a linear pair?



Adjacent Angles
two angles with a common vertex and a common side, but no common interior points

Linear Pair
adjacent angles whose non-common sides are opposite rays forming a line

Adjacent Angles - two angles with a common vertex and a common side, but no common interior points

∠1 and ∠2 ∠2 and ∠3 ∠3 and ∠4 ∠1 and ∠4

Vertical Angles - two non-adjacent angles formed by two intersecting lines

∠1 and ∠3 ∠2 and ∠4

Linear Pair - adjacent angles whose non-common sides are opposite rays forming a line

∠1 and ∠2 ∠2 and ∠3 ∠3 and ∠4 ∠1 and ∠4