

# FINDING ADJACENT ANGLES

## WORKSHEET – I

### LET'S LEARN

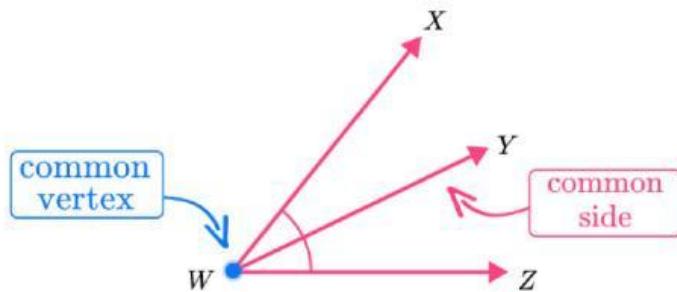
WHAT ARE ADJACENT ANGLES ?

Adjacent angles are two angles that are **side by side** and share a **common vertex** and a common side.



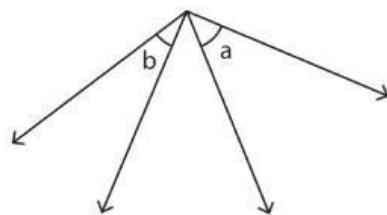
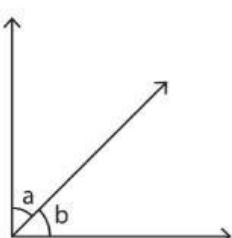
Since an angle is formed when two rays meet at a common endpoint, adjacent angles are simply two angles that are directly **next to each other**.

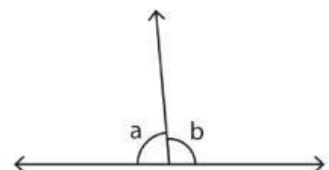
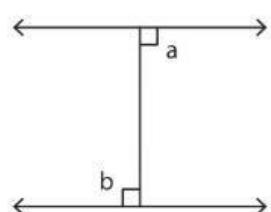
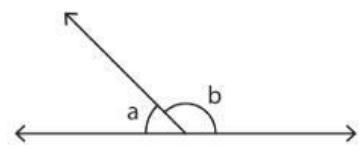
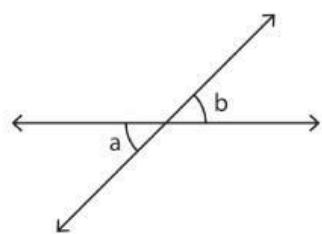
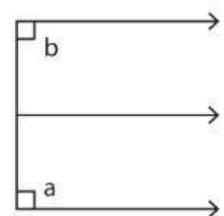
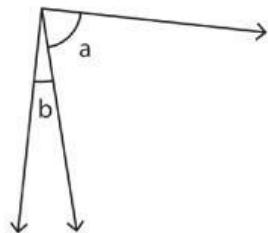
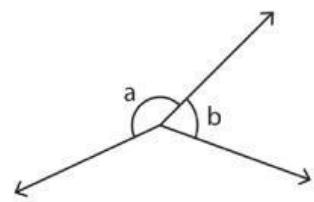
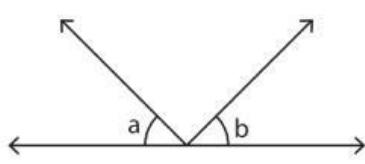
For example, in this diagram, angle  $XWY$  is adjacent to angle  $YWZ$ . They share a common vertex ( $W$ ) and a common side (ray  $WY$ ).



### LET'S APPLY :

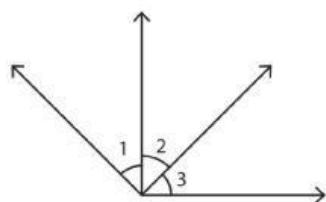
State whether the given angles are adjacent or not ?





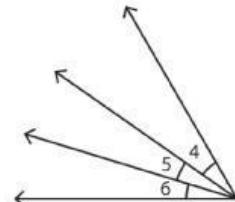
IDENTIFY TWO PAIR OF ADJACENT ANGLES IN EACH CASE :

First two have been done for you



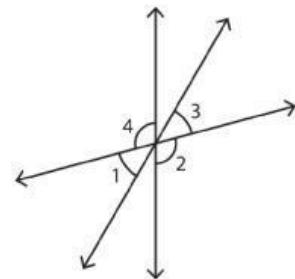
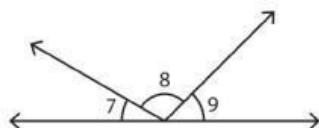
Angle 1 and 2

Angle 2 and 3



Angle 6 and 5

Angle 5 and 4

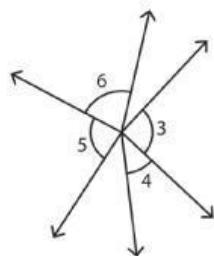


\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

