

Name \_\_\_\_\_

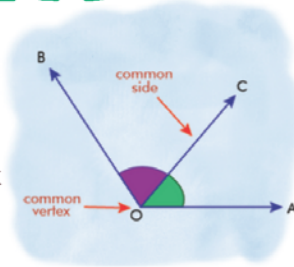
Name :

Class :



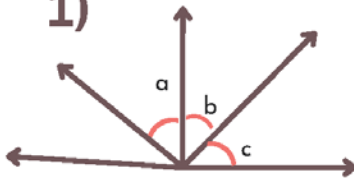
# Adjacent Angles

A pair of angles that share a common vertex and a common arm (but do not overlap).



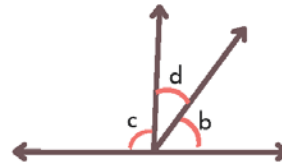
**A** Identify the two pairs of adjacent angles in each figure

1)



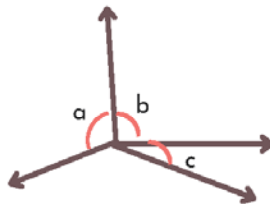
$\angle a$ ,  $\angle b$  and  $\angle b$ ,  $\angle c$

2)



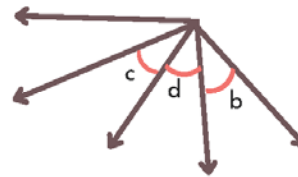
$\angle c$ ,  $\angle d$  and  $\angle d$ ,  $\angle b$

3)



$\angle a$ ,  $\angle b$  and  $\angle b$ ,  $\angle c$

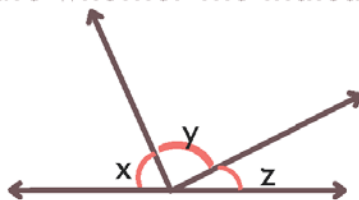
4)



$\angle c$ ,  $\angle d$  and  $\angle d$ ,  $\angle b$

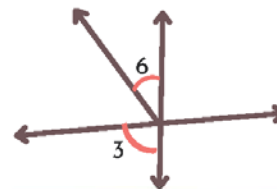
**B** State whether the indicated angle pairs are adjacent or not

1



Adjacent

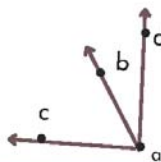
2



Not adjacent

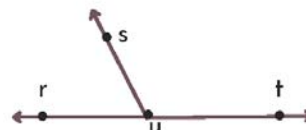
**C** Identify the arm common to adjacent angles in each figure

1



$\overrightarrow{ab}$

2



$\overrightarrow{us}$