

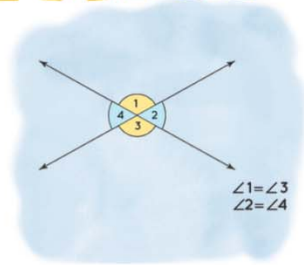
Name :

Class :



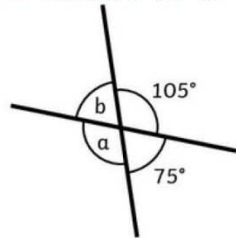
# Vertical Angles

The angles that lie opposite to each other when two lines intersect



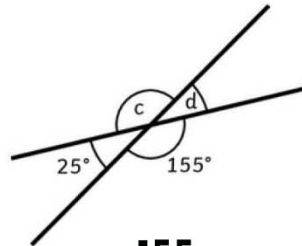
Find the values of  $a$  ,  $b$  ,  $c$  and  $d$ .

1)



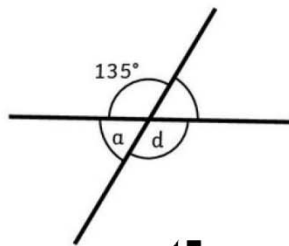
$a = 105^\circ$     $b = 75^\circ$

2)



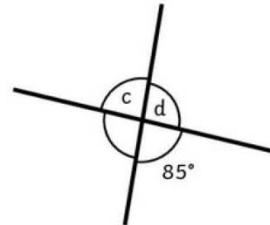
$c = 155^\circ$     $d = 25^\circ$

3)



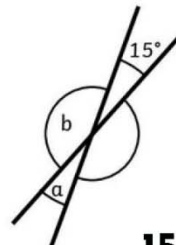
$a = 45^\circ$     $d = 135^\circ$

4)



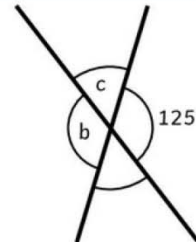
$c = 85^\circ$     $d = 95^\circ$

5)



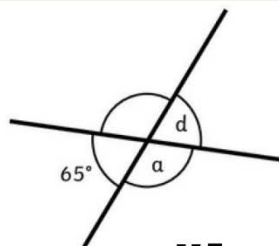
$a = 15^\circ$     $b = 165^\circ$

6)



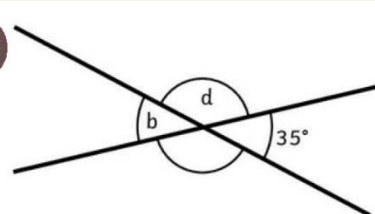
$b = 125^\circ$     $c = 55^\circ$

7)



$a = 115^\circ$     $d = 65^\circ$

8)



$b = 35^\circ$     $d = 145^\circ$