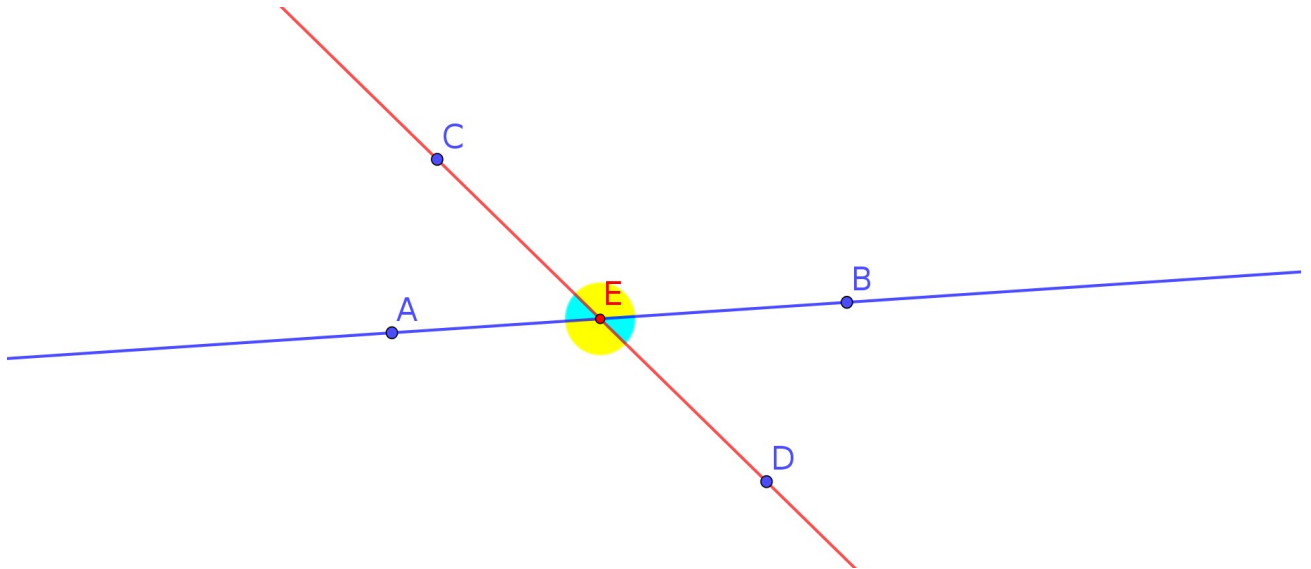


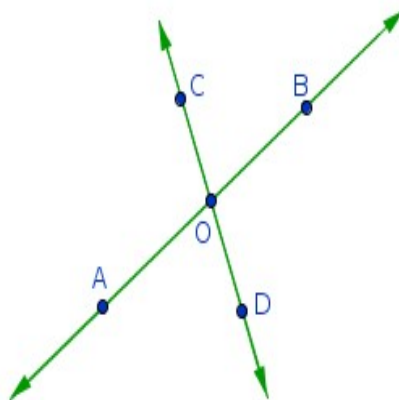
# Mathematics Geometry Worksheet

## Module – Adjacent angles

1. In the given figure , How many pairs of adjacent angles are there? Name the pair of adjacent angles.



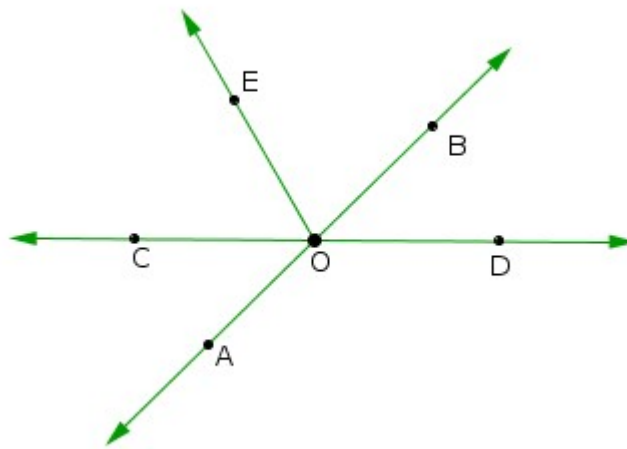
2. In the given figure



- How many angles are formed in the picture above?
- Name the angles?

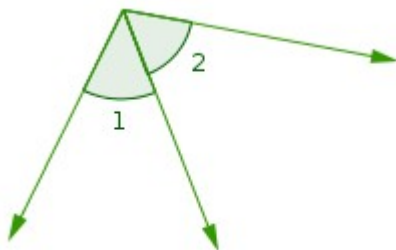
- c) If the length of segments AB and CD is increased or decreased will the angles measure change ?
- d) What is the total value of all the angles at point O ?
- e) Are all the angles formed at point O of the same measure ?
- f) Identify the angles that are equal?

**3. In the figure below identify Five pairs of adjacent angles.:**

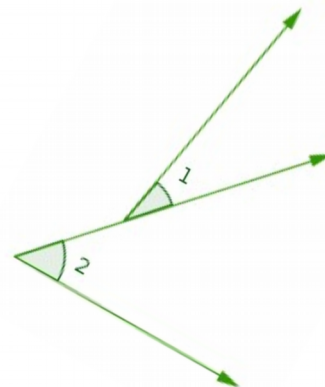


**4. In the following figures are the two angles adjacent, if they are not adjacent say why?**

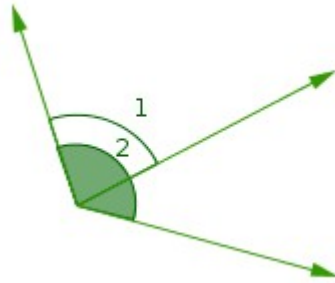
(a)



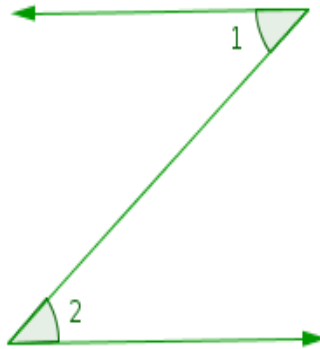
(b)



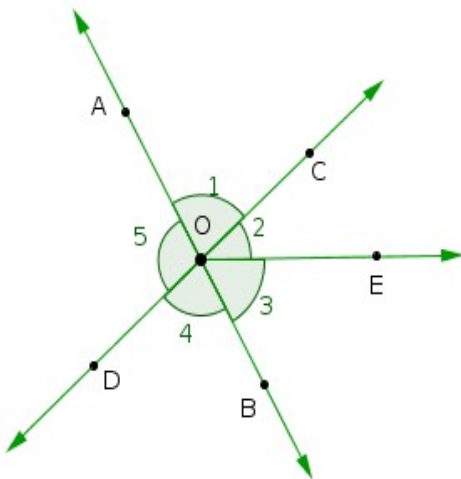
(c)



5. In the following figure, is  $\angle 1$  adjacent to  $\angle 2$ ? Give reasons.



6. In the following figure,



a) Is  $\angle COA$  adjacent to  $\angle EOC$ ?

b) Is  $\angle COA$  adjacent to  $\angle EOA$ ?