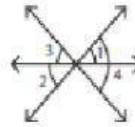


Applications_Grade-5_Geometry

Adjacent Angles & Linear Pairs

1.

1) Which of the following pairs of angles are adjacent?



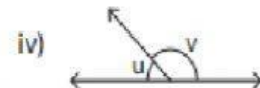
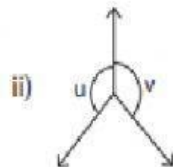
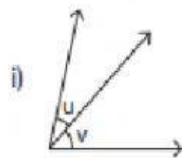
i) $\angle 1, \angle 4$

ii) $\angle 2, \angle 3$

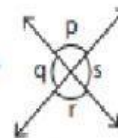
iii) $\angle 3, \angle 4$

iv) $\angle 2, \angle 4$

2) In which of the following figures are the angles u and v not adjacent?



3) Which of the following pairs of angles are not adjacent?



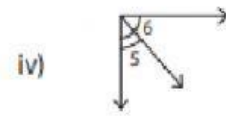
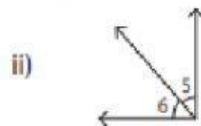
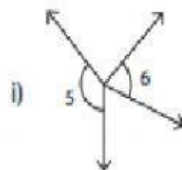
i) $\angle p, \angle r$

ii) $\angle p, \angle q$

iii) $\angle r, \angle s$

iv) $\angle q, \angle r$

4) In which of the following figures are the angles 5 and 6 adjacent?



5) Identify the arm common to the adjacent angles in the figure.



i) $\overrightarrow{DF}$

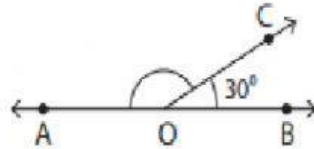
ii) $\overrightarrow{EF}$

iii) $\overrightarrow{DC}$

iv) $\overrightarrow{DE}$

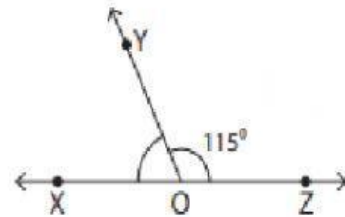
2. Find the measure of each indicated angle.

1)



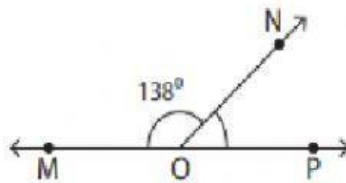
$$m\angle AOC = \underline{\hspace{2cm}}$$

2)



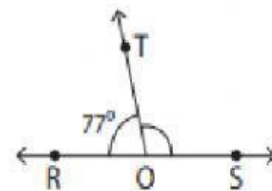
$$m\angle XOY = \underline{\hspace{2cm}}$$

3)



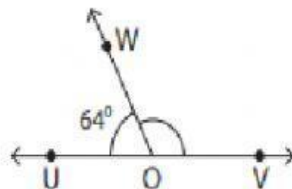
$$m\angle NOP = \underline{\hspace{2cm}}$$

4)



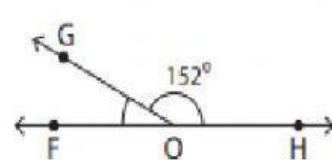
$$m\angle TOS = \underline{\hspace{2cm}}$$

5)



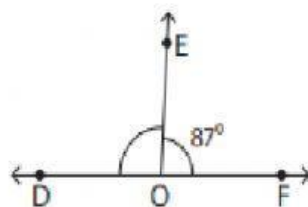
$$m\angle WOV = \underline{\hspace{2cm}}$$

6)



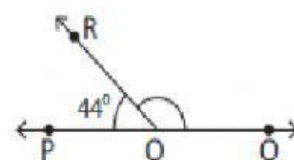
$$m\angle GOF = \underline{\hspace{2cm}}$$

7)



$$m\angle EOD = \underline{\hspace{2cm}}$$

8)



$$m\angle ROQ = \underline{\hspace{2cm}}$$