

Name: \_\_\_\_\_

## Vertical Angles

Sheet 1

A) 1) Which of the following is the vertically opposite angle of  $\angle AOE$ ?

- i)  $\angle AOB$       ii)  $\angle DOE$       iii)  $\angle BOD$       iv)  $\angle COB$

2) Identify the vertically opposite angle of  $\angle EOF$  from the following.

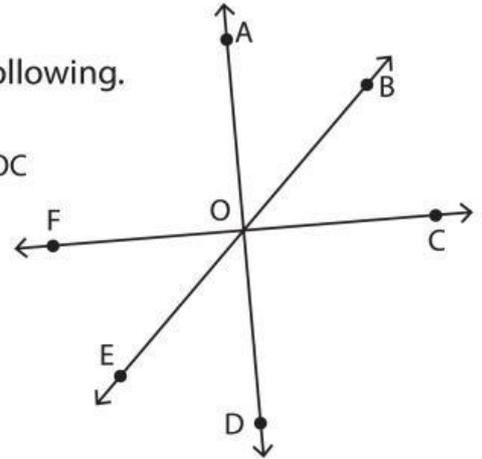
- i)  $\angle BOC$       ii)  $\angle AOF$       iii)  $\angle COD$       iv)  $\angle EOC$

3) Write the the vertically opposite angle of  $\angle COD$ .

\_\_\_\_\_

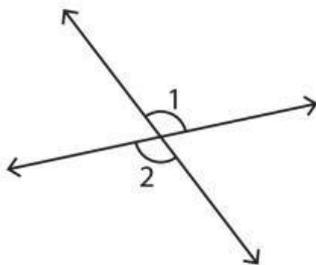
4) Write the the vertically opposite angle of  $\angle FOB$ .

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B) Find the unknown angles.

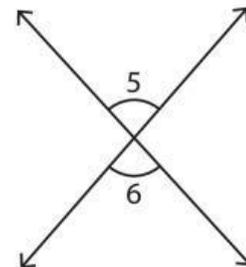
1)



$$m\angle 1 = 115^\circ$$

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

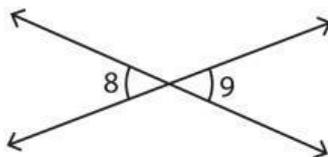
2)



$$m\angle 6 = 83^\circ$$

$$m\angle 5 = \underline{\hspace{2cm}}$$

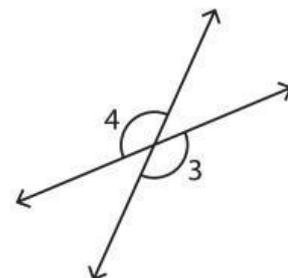
3)



$$m\angle 9 = 45^\circ$$

$$m\angle 8 = \underline{\hspace{2cm}}$$

4)



$$m\angle 3 = 137^\circ$$

$$m\angle 4 = \underline{\hspace{2cm}}$$