

Name : _____

Vertical Angles

Sheet 1

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

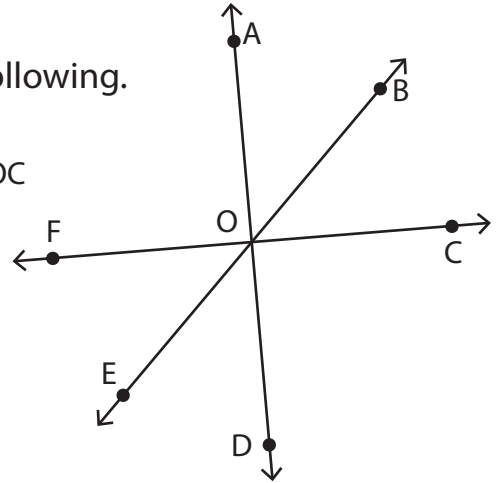
- i) $\angle AOB$ ii) $\angle DOE$ iii) $\angle BOD$ iv) $\angle COB$

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

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

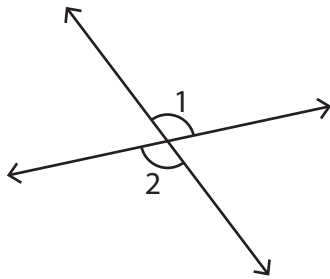
3) Write the the vertically opposite angle of $\angle COD$.

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



B) Find the unknown angles.

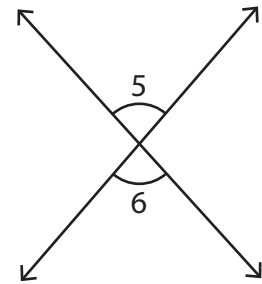
1)



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

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

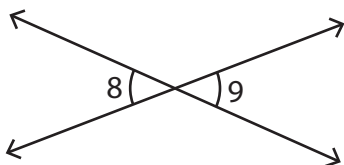
2)



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

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

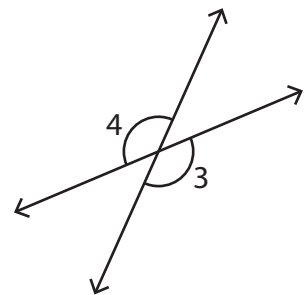
3)



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

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

4)



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

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

Name : _____

Vertical Angles

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.

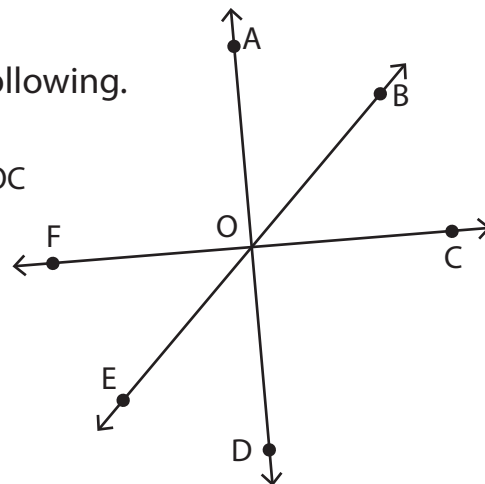
- i) $\angle BOC$** ii) $\angle AOF$ iii) $\angle COD$ iv) $\angle EOC$

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

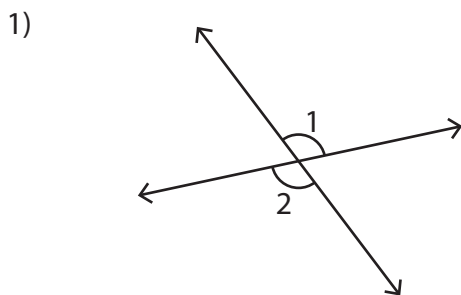
$\angle AOF$ or $\angle FOA$

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

$\angle COE$ or $\angle EOC$

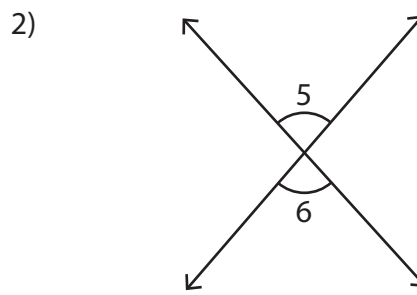


B) Find the unknown angles.



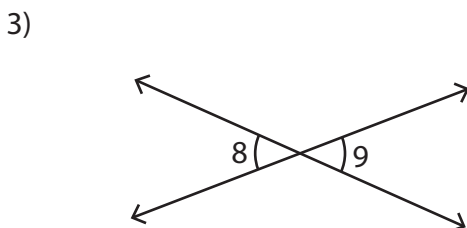
$m\angle 1 = 115^\circ$

$m\angle 2 = \underline{115^\circ}$



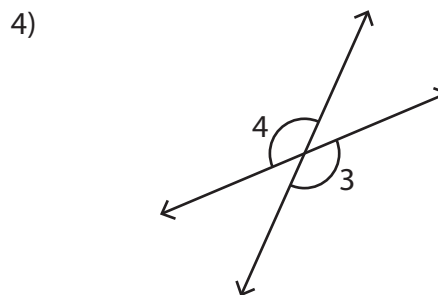
$m\angle 6 = 83^\circ$

$m\angle 5 = \underline{83^\circ}$



$m\angle 9 = 45^\circ$

$m\angle 8 = \underline{45^\circ}$



$m\angle 3 = 137^\circ$

$m\angle 4 = \underline{137^\circ}$