



Vertically Opposite Angles

Name _____

Score _____

PA:19

Vertically opposite angles: The vertical angles formed when two lines intersect each other.

1) Circle the angle vertically opposite to $\angle 5$.

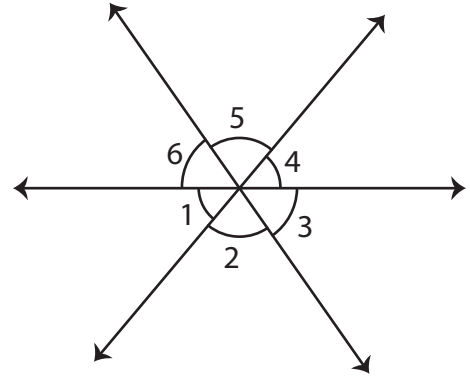
$\angle 2$ $\angle 6$ $\angle 4$

2) Write any two pairs of vertically opposite angles.

3) Identify the angle vertically opposite to $\angle 1$.

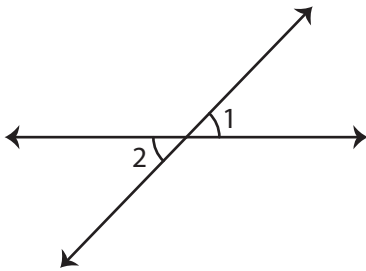
a) $\angle 3$ b) $\angle 4$ c) $\angle 2$

4) $\angle 6$ is vertically opposite to angle _____



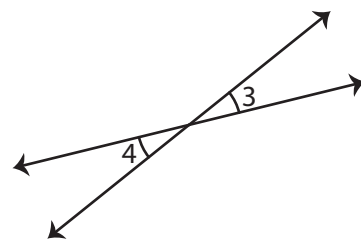
Find the missing angle.

1)



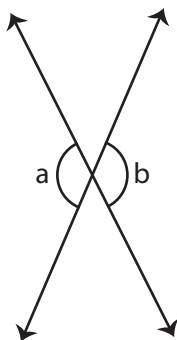
$m\angle 2 = 46^\circ$; $m\angle 1 =$

2)



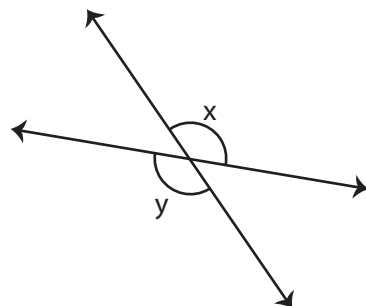
$m\angle 3 = 25^\circ$; $m\angle 4 =$

3)



$m\angle a = 130^\circ$; $m\angle b =$

4)



$m\angle y = 134^\circ$; $m\angle x =$



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Answer key

PA:19

Vertically opposite angles: The vertical angles formed when two lines intersect each other.

1) Circle the angle vertically opposite to $\angle 5$.



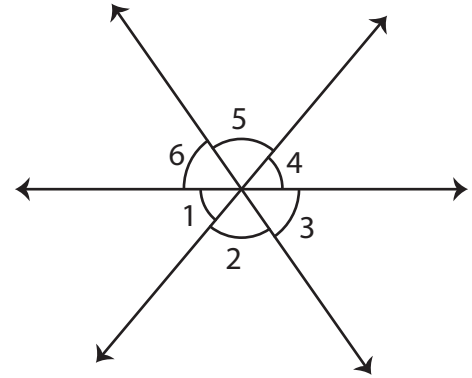
2) Write any two pairs of vertically opposite angles.

$\angle 1$ and $\angle 4$; $\angle 2$ and $\angle 5$

3) Identify the angle vertically opposite to $\angle 1$.

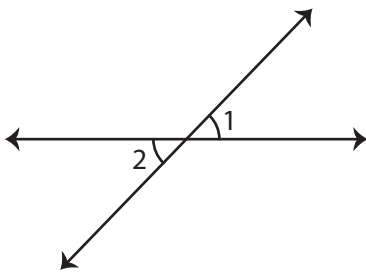
a) $\angle 3$ ~~b) $\angle 4$~~ c) $\angle 2$

4) $\angle 6$ is vertically opposite to angle $\angle 3$



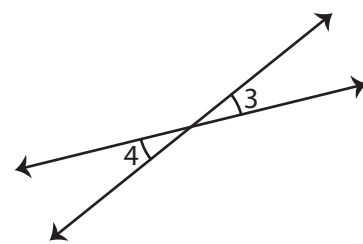
Find the missing angle.

1)



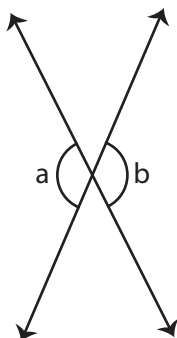
$m\angle 2 = 46^\circ$; $m\angle 1 = 46^\circ$

2)



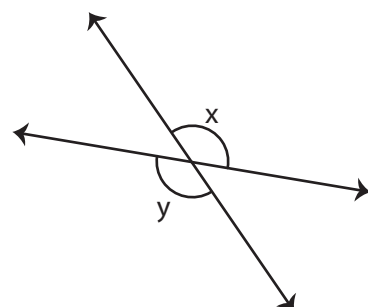
$m\angle 3 = 25^\circ$; $m\angle 4 = 25^\circ$

3)



$m\angle a = 130^\circ$; $m\angle b = 130^\circ$

4)



$m\angle y = 134^\circ$; $m\angle x = 134^\circ$