Vertically Opposite Angles

Name _____

Score _____

PA:21

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

1) Circle the angle vertically opposite to ∠x.

∠7 ∠9 ∠8

2) Write the vertically opposite angle of ∠7.

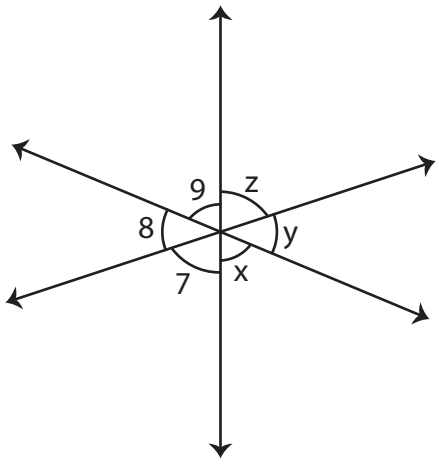
_____

3) Identify the vertically opposite angle of ∠9.

a) ∠z b) ∠y c) ∠x

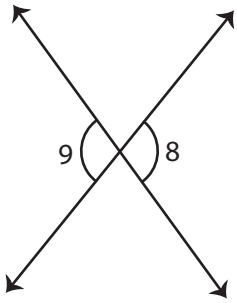
4) Write any two pairs of vertically opposite angles.

_____



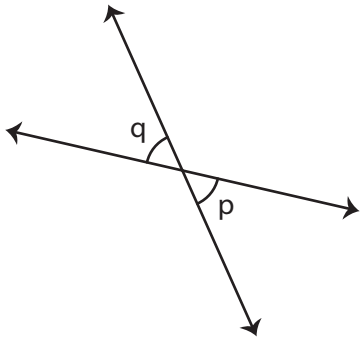
Find the missing angle.

1)



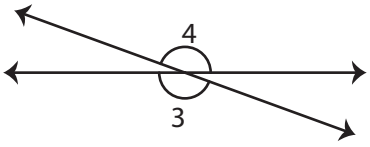
$m\angle 9 = 105^0$; $m\angle 8 =$ ____

2)



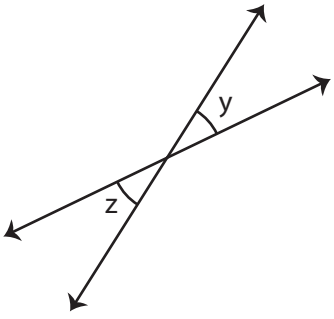
$m\angle p = 53^0$; $m\angle q =$ ____

3)



$m\angle 3 = 160^0$; $m\angle 4 =$ ____

4)



$m\angle z = 32^0$; $m\angle y =$ ____

Vertically Opposite Angles

Name _____

Score _____

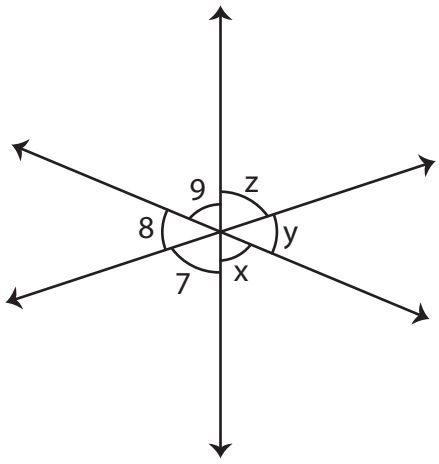
Answer key

PA:21

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

1) Circle the angle vertically opposite to ∠x.

∠7 (∠9) ∠8



2) Write the vertically opposite angle of ∠7.

∠z

3) Identify the vertically opposite angle of ∠9.

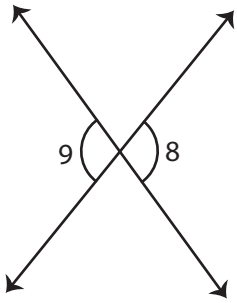
a) ∠z b) ∠y ~~c)~~ ∠x

4) Write any two pairs of vertically opposite angles.

∠9 and ∠x ; ∠8 and ∠y

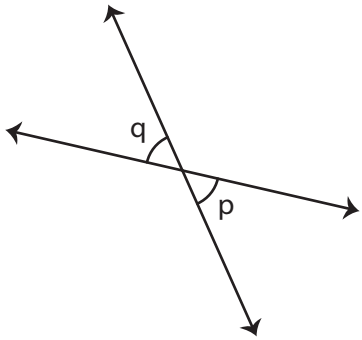
Find the missing angle.

1)



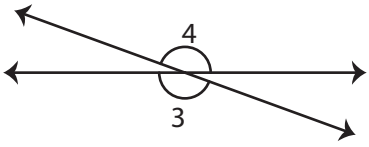
m∠9 = 105° ; m∠8 = **105°**

2)



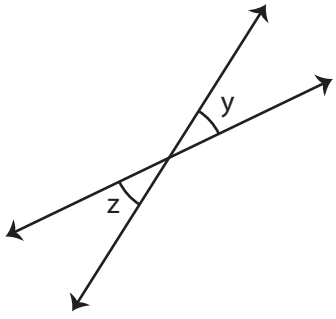
m∠p = 53° ; m∠q = **53°**

3)



m∠3 = 160° ; m∠4 = **160°**

4)



m∠z = 32° ; m∠y = **32°**