Vertically Opposite Angles

Name _____

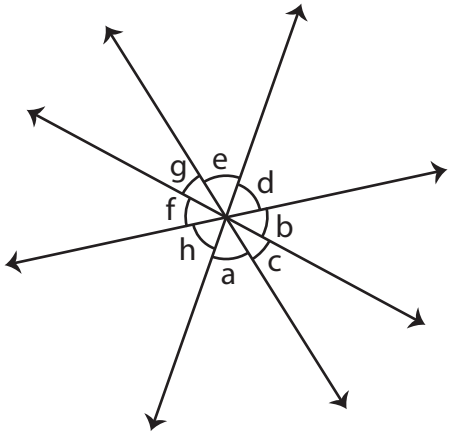
Score _____

PA:20

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

1) Circle the angle vertically opposite to ∠c.

∠f ∠e ∠g



2) Write the angle vertically opposite to ∠d.

_____

3) Identify the vertically opposite angle of ∠f.

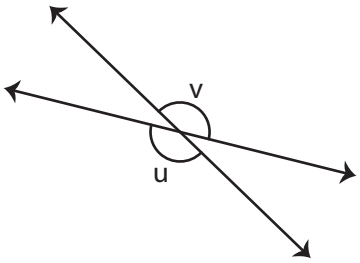
a) ∠b b) ∠d c) ∠c

4) Write any two pairs of vertically opposite angles.

_____

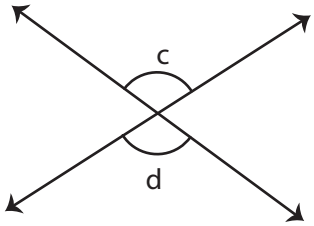
Find the missing angle.

1)



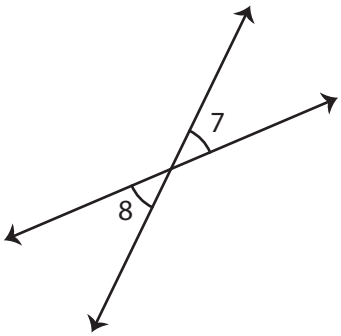
$m\angle u = 150^0$; $m\angle v =$ _____

2)



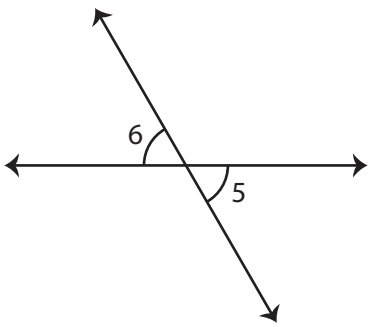
$m\angle d = 111^0$; $m\angle c =$ _____

3)



$m\angle 8 = 41^0$; $m\angle 7 =$ _____

4)



$m\angle 5 = 60^0$; $m\angle 6 =$ _____

Vertically Opposite Angles

Name _____

Score _____

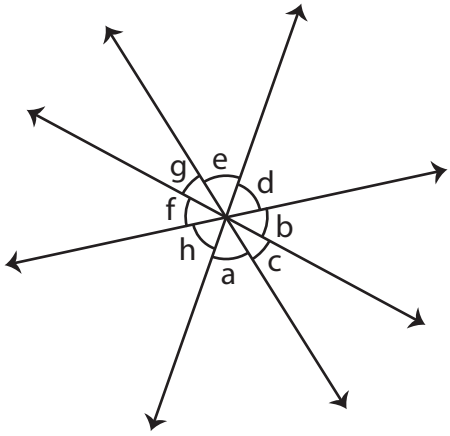
Answer key

PA:20

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

1) Circle the angle vertically opposite to ∠c.

∠f ∠e (∠g)



2) Write the angle vertically opposite to ∠d.

∠h

3) Identify the vertically opposite angle of ∠f.

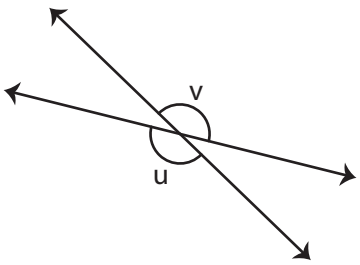
a) ∠b b) ∠d c) ∠c

4) Write any two pairs of vertically opposite angles.

∠a and ∠e ; ∠c and ∠g

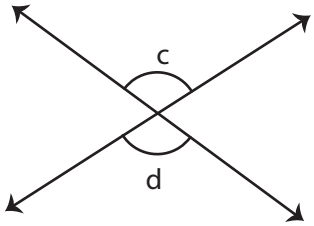
Find the missing angle.

1)



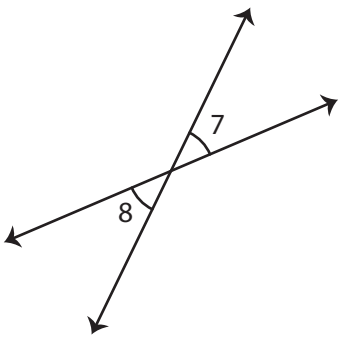
$m\angle u = 150^0$; $m\angle v =$ **150^0**

2)



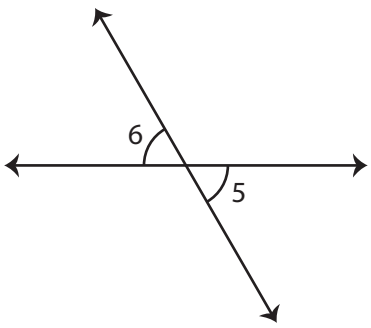
$m\angle d = 111^0$; $m\angle c =$ **111^0**

3)



$m\angle 8 = 41^0$; $m\angle 7 =$ **41^0**

4)



$m\angle 5 = 60^0$; $m\angle 6 =$ **60^0**