Pair of Angles

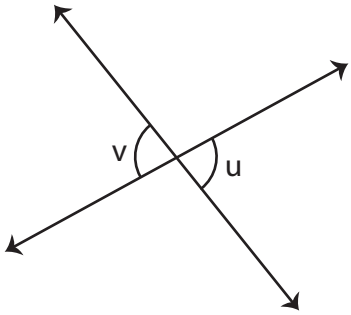
Name _____

Score _____

PA:38

Find the value of x.

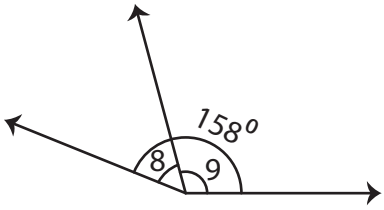
1)



$m\angle u = (2x - 50)^0$; $m\angle v = (x + 25)^0$

x =

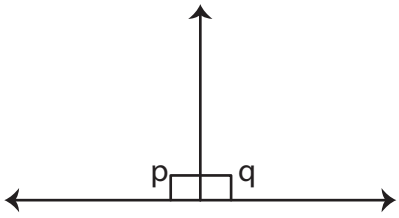
2)



$m\angle 8 = (x - 52)^0$; $m\angle 9 = (x)^0$

x =

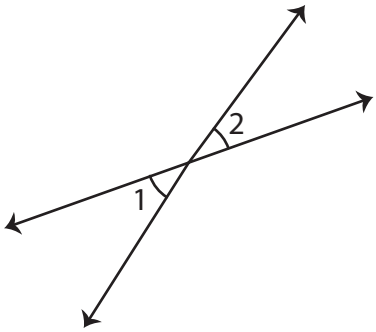
3)



$m\angle p = (x - 32)^0$; $m\angle q = 90^0$

x =

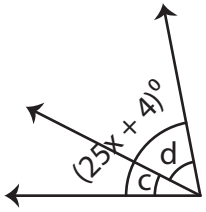
4)



$m\angle 1 = 38^0$; $m\angle 2 = (2x)^0$

x =

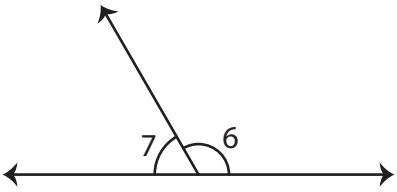
5)



$m\angle c = 27^0$; $m\angle d = 52^0$

x =

6)



$m\angle 6 = (x + 10)^0$; $m\angle 7 = (x - 50)^0$

x =

Pair of Angles

Name _____

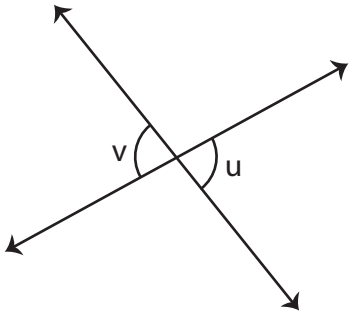
Score _____

Answer key

PA:38

Find the value of x.

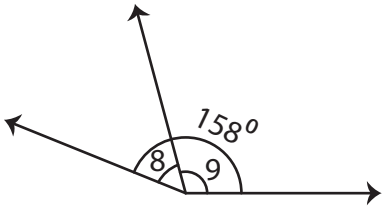
1)



$m\angle u = (2x - 50)^0$; $m\angle v = (x + 25)^0$

x = **75**

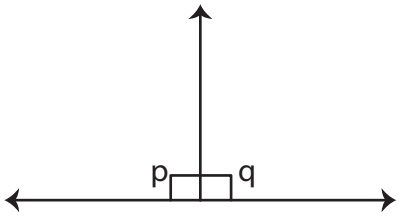
2)



$m\angle 8 = (x - 52)^0$; $m\angle 9 = (x)^0$

x = **105**

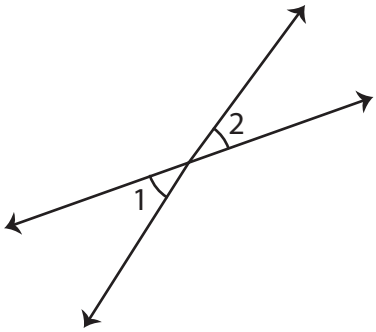
3)



$m\angle p = (x - 32)^0$; $m\angle q = 90^0$

x = **122**

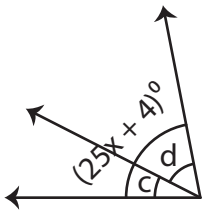
4)



$m\angle 1 = 38^0$; $m\angle 2 = (2x)^0$

x = **19**

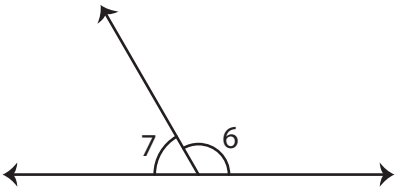
5)



$m\angle c = 27^0$; $m\angle d = 52^0$

x = **3**

6)



$m\angle 6 = (x + 10)^0$; $m\angle 7 = (x - 50)^0$

x = **110**