Pair of Angles

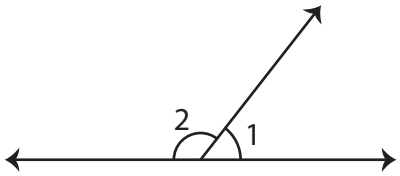
Name _____

Score _____

PA:37

Find the value of x.

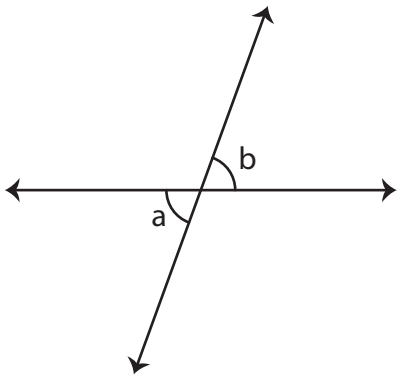
1)



$m\angle 1 = (4x)^0$; $m\angle 2 = 128^0$

x =

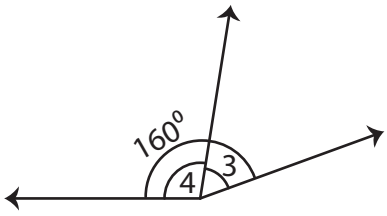
2)



$m\angle a = 70^0$; $m\angle b = (x - 30)^0$

x =

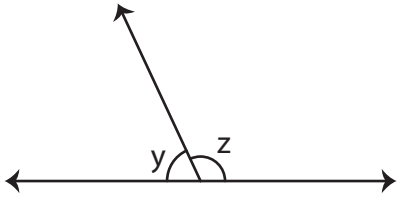
3)



$m\angle 3 = (x + 1)^0$; $m\angle 4 = (2x + 21)^0$

x =

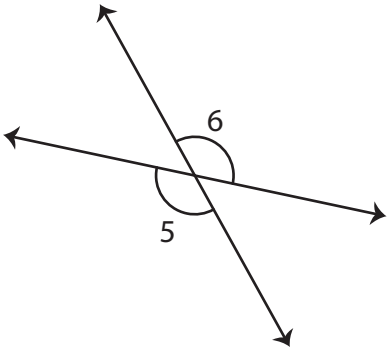
4)



$m\angle y = (7x + 2)^0$; $m\angle z = (11x + 16)^0$

x =

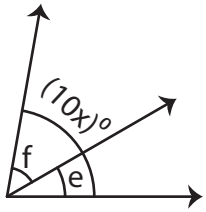
5)



$m\angle 5 = (3x - 4)^0$; $m\angle 6 = (4x - 49)^0$

x =

6)



$m\angle e = 30^0$; $m\angle f = 50^0$

x =

Pair of Angles

Answer key

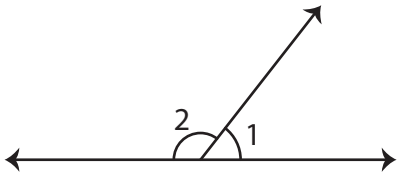
Name _____

Score _____

PA:37

Find the value of x.

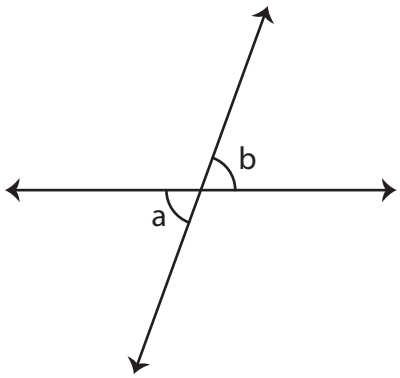
1)



$m\angle 1 = (4x)^0$; $m\angle 2 = 128^0$

x = **13**

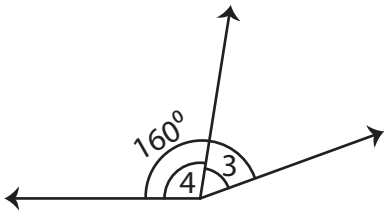
2)



$m\angle a = 70^0$; $m\angle b = (x - 30)^0$

x = **100**

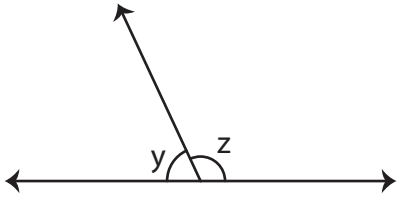
3)



$m\angle 3 = (x + 1)^0$; $m\angle 4 = (2x + 21)^0$

x = **46**

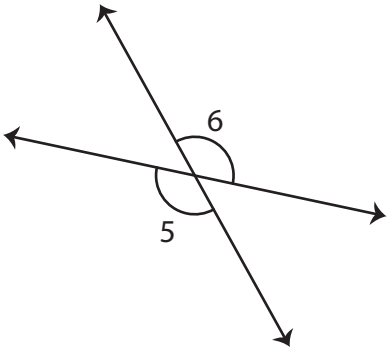
4)



$m\angle y = (7x + 2)^0$; $m\angle z = (11x + 16)^0$

x = **9**

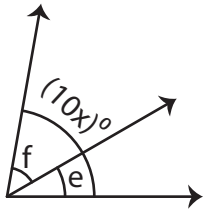
5)



$m\angle 5 = (3x - 4)^0$; $m\angle 6 = (4x - 49)^0$

x = **45**

6)



$m\angle e = 30^0$; $m\angle f = 50^0$

x = **8**