



Adjacent Angles

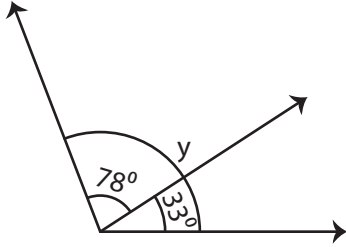
Name _____

Score _____

PA:17

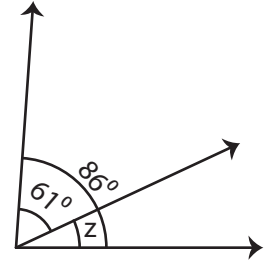
Find the unknown angle.

1)



$y =$

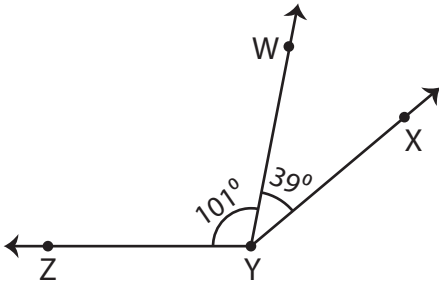
2)



$z =$

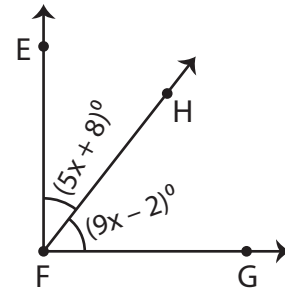
Find the value of x.

1)



$m\angle XYZ = (x + 7)^\circ$ $x =$

2)



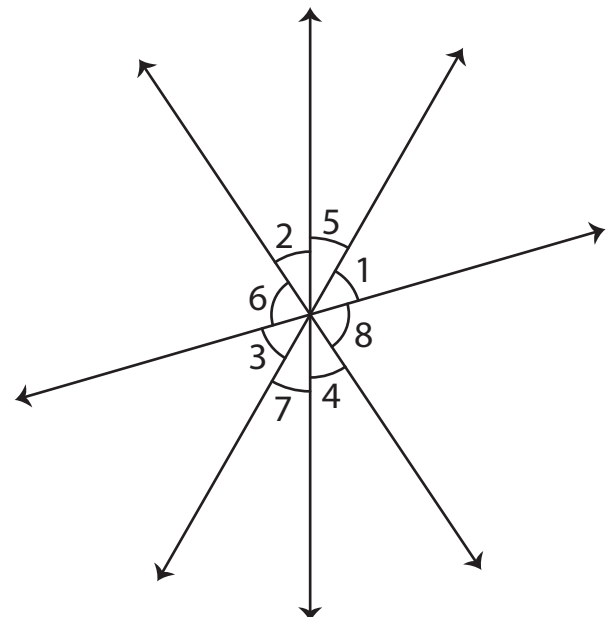
$m\angle EFG = 90^\circ$ $x =$

Answer the following.

- The angles $\angle 1$ and $\angle 2$ are
 - adjacent
 - not adjacent
- Which is the largest adjacent angle to $\angle 3$?

- $\angle 8$ is adjacent to which two angles?

- Which is the smallest adjacent angle to $\angle 4$?





Adjacent Angles

Name _____

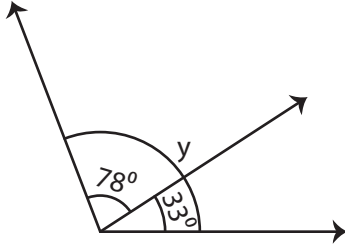
Score _____

Answer key

PA:17

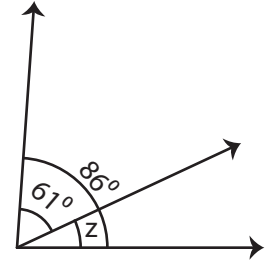
Find the unknown angle.

1)



$y =$ **111°**

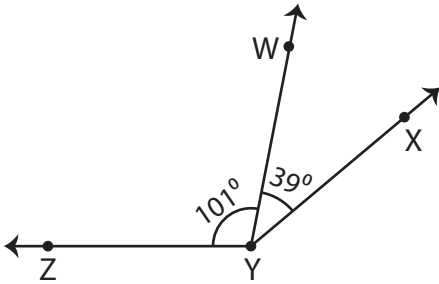
2)



$z =$ **25°**

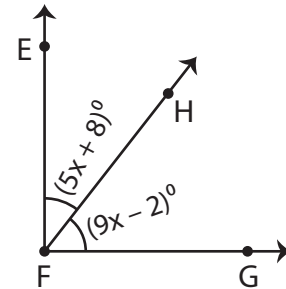
Find the value of x.

1)



$m\angle XYZ = (x + 7)^\circ$ $x =$ **133**

2)



$m\angle EFG = 90^\circ$ $x =$ **6**

Answer the following.

- 1) The angles $\angle 1$ and $\angle 2$ are
 - a) adjacent ~~b) not adjacent~~
- 2) Which is the largest adjacent angle to $\angle 3$?

_____ **$\angle 6$** _____

- 3) $\angle 8$ is adjacent to which two angles?

_____ **$\angle 1$ and $\angle 4$** _____

- 4) Which is the smallest adjacent angle to $\angle 4$?

_____ **$\angle 7$** _____

