## HW #1

## Practice

For use after Lesson 7.1

Name two pairs of adjacent angles and two pairs of

## The Meaning of a Word Adjacent

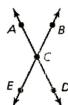
When two states are adjacent.

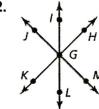


they are next to each other and the share a common border.



vertical angles in the figure.





4 J6I + < IGH

< HGM + < MGL

< IGH + < KGL

< MGL + < IGJ

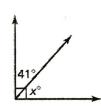
4 ACE 4 4BCD < ECD + < ACB

< ACB + < BCD

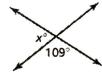
<BCD + < DCE

Tell whether the angles are adjacent or vertical. Then find the value of x.

3.



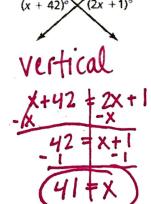
Adjacent



Adjacent

hint: set the two angels equal to each other and solve

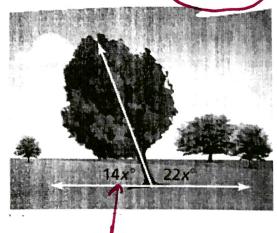
5.



**6.** A tree is leaning toward the ground. How many degrees does the tree have to fall before hitting the ground?

$$14x + 22x = 180$$

$$\frac{36x}{36} = \frac{180}{36}$$



14(5)=70

The tree has 70° before it nits the ground