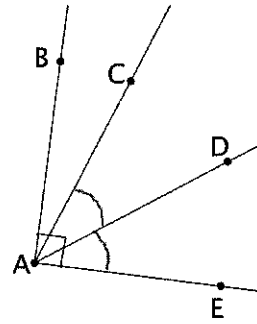


# Diagram B

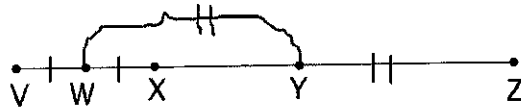
Use the diagram at the right to fill in the blanks.

11.  $\overline{AB} \perp$  \_\_\_\_\_
12.  $\overline{AD}$  bisects \_\_\_\_\_
13. \_\_\_\_\_ is a right angle
14. \_\_\_\_\_ is in the interior of  $\angle BAD$
15.  $\angle EAD \cong$  \_\_\_\_\_
16. If  $m\angle BAC = 20^\circ$ , then  $m\angle CAD =$  \_\_\_\_\_



Use the diagram at the right to fill in the blanks.

17. W is the midpoint of \_\_\_\_\_
18. \_\_\_\_\_ is the midpoint of  $\overline{WZ}$
19. \_\_\_\_\_ is between X and Z.
20.  $\overline{WY} \cong$  \_\_\_\_\_
21.  $WX + XY =$  \_\_\_\_\_
22. If  $YZ = 6$  and  $VZ = 14$ , find:  
 $WY =$  \_\_\_\_\_     $VW =$  \_\_\_\_\_     $XZ =$  \_\_\_\_\_  
 $WX =$  \_\_\_\_\_     $XY =$  \_\_\_\_\_



Draw and label a diagram to help you find the measures requested.

23. Q is between P and R.  
 $PQ = 3x + 5$ ,  $QR = 2x$ , and  $PR = 25$ . Find the value of x, PQ, and QR.
24. M is in the interior of  $\angle LON$ . N is in the interior of  $\angle MOP$ .  $m\angle LON = 64^\circ$ ,  $m\angle LOM = 5x - 3$ ,  $m\angle NOP = 3x + 2$ , and  $\angle LOM \cong \angle MON$ . Find the value of x and  $m\angle NOP$ .