

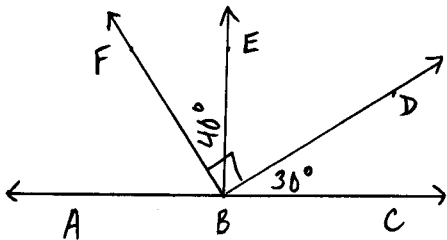
## REVIEW PROBLEMS (Chapter 1)

ALWAYS, SOMETIMES or NEVER?

1. Two planes \_\_\_\_\_ intersect.
2. A line \_\_\_\_\_ has a midpoint.
3. Two points are \_\_\_\_\_ collinear.

4. L is between J and M. K is between J and L.  $JM = 20$ ,  $KL = 4$  and  $JK = LM$ . Find LM.

5. Find  $m\angle ABF$  and  $\angle EBD$ :



6. B is in the interior of  $\angle AOC$ . C is in the interior of  $\angle BOD$ .  $m\angle COD = m\angle AOB$ ,  $m\angle AOD = 75^\circ$  and  $m\angle BOC = 15^\circ$ . Find  $m\angle BOD$ .

7. Use the distance formula to find the length of  $\overline{AB}$  where  $A(-2, 5)$  and  $B(6, -4)$ .

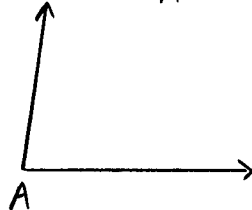
8. Find the midpoint of  $\overline{AB}$  (from #7).

PERFORM THE FOLLOWING CONSTRUCTIONS:

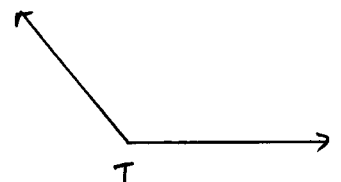
9. Bisect  $\overline{LN}$ :



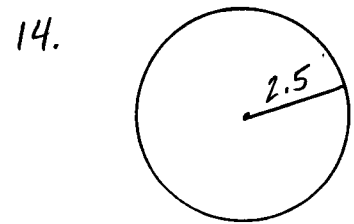
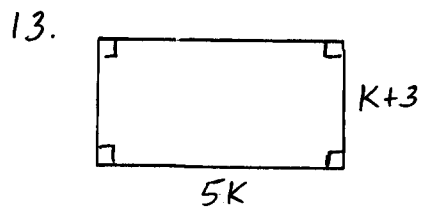
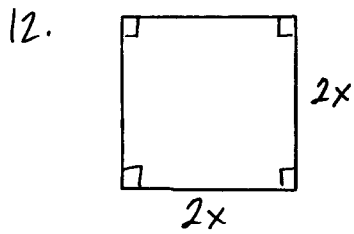
10. Bisect  $\angle A$ :



11. Copy  $\angle T$ :



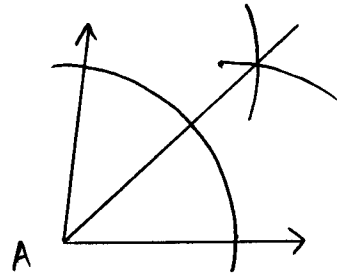
FIND THE AREA AND PERIMETER / CIRCUMFERENCE:



ANSWERS

1. Sometimes
2. Never
3. Always

10.

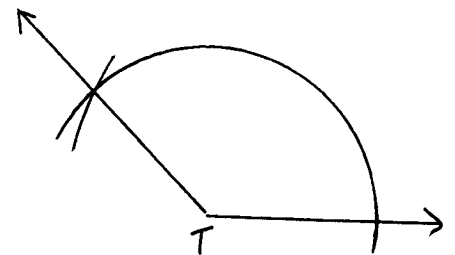
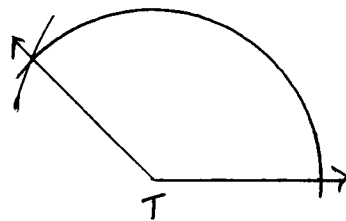


4.  $LM = 8$

5.  $m\angle ABF = 60^\circ$   
 $m\angle EBD = 50^\circ$

6.  $m\angle BOD = 45^\circ$

11.



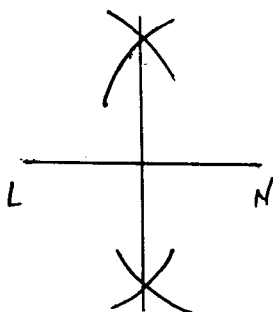
7.  $\sqrt{145} \approx 12.0$

12.  $A = 4x^2$ ,  $P = 8x$

8. Midpoint  $L = (2, \frac{1}{2})$

13.  $A = 5K^2 + 15K$ ,  $P = 12K + 6$

9.



14.  $A = 6.25\pi$ ,  $C = 5\pi$