

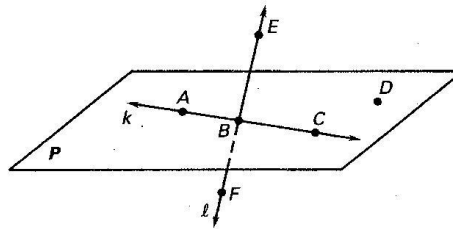
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Date \_\_\_\_\_

**CHAPTER 1**  
**Cumulative Review**  
*For use after Chapter 1*

**Name the object(s) in the diagram.** (Lesson 1.1)

1. Give two other names for  $\overleftrightarrow{AC}$ .
2. Name three points that are collinear.
3. Give another name for plane  $P$ .
4. What is another name for  $\overleftrightarrow{CB}$ ?
5. Name two pairs of opposite rays.
6. Give another name for  $\overleftrightarrow{EB}$ .
7. Name the intersection of line  $l$  and  $\overleftrightarrow{AC}$ .

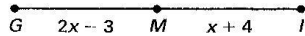


**Plot the given points in a coordinate plane. Then determine whether the line segments named are congruent.** (Lesson 1.2)

8.  $P(5, 2)$ ,  $Q(-3, 2)$ ,  $R(-1, 7)$ ,  $S(-1, -2)$ ;  $\overline{PQ}$  and  $\overline{RS}$
9.  $E(15, -9)$ ,  $F(-11, -9)$ ,  $G(-7, 19)$ ,  $H(-7, -7)$ ;  $\overline{FE}$  and  $\overline{GH}$

**In each diagram,  $M$  is the midpoint of the segment. Find the indicated length.** (Lesson 1.3)

10. Find  $GM$ .



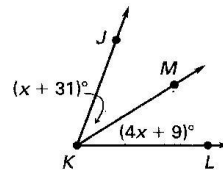
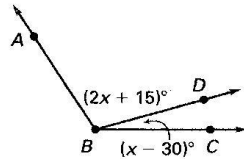
11. Find  $TV$ .



12. Find the coordinates of the midpoint of the segment with endpoints  $G(-6, 7)$  and  $H(10, -1)$ . (Lesson 1.3)
13. Find the coordinates of the other endpoint of a segment with given endpoint  $Q(2, -3)$  and midpoint  $M(-6, -4)$ . (Lesson 1.3)

**Use the given information to find the indicated angle measure.** (Lesson 1.4)

14. Given  $m\angle ABC = 123^\circ$ , find  $m\angle ABD$ .
15. Given  $m\angle JKL = 70^\circ$ , find  $m\angle MKL$ .



Name \_\_\_\_\_

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CHAPTER  
1

**Cumulative Review** *continued*  
*For use after Chapter 1*

**Plot the points in a coordinate plane and draw  $\angle TUV$ . Classify the angle. Then give the coordinates of a point that lies in the interior of the angle.**  
*(Lesson 1.4)*

16.  $T(-1, -2), U(1, 4), V(-2, 4)$

17.  $T(0, 9), U(2, 0), V(6, -1)$

**$\angle 1$  and  $\angle 2$  are complementary angles. Given the measure of  $\angle 1$ , find  $m\angle 2$ .** *(Lesson 1.5)*

18.  $m\angle 1 = 35^\circ$

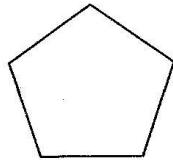
19.  $m\angle 1 = 16^\circ$

20.  $m\angle 1 = 80^\circ$

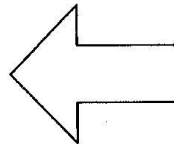
21.  $m\angle 1 = 54^\circ$

**Tell whether the figure is a polygon and whether it is *convex* or *concave*.**  
*(Lesson 1.6)*

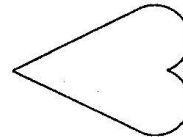
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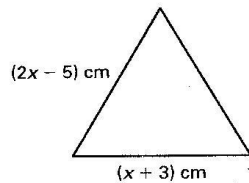


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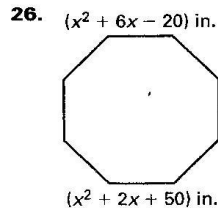


**Each figure is a regular polygon. Find the value of  $x$ .** *(Lesson 1.6)*

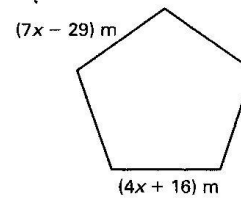
25.



26.



27.



**Copy and complete the statement.** *(Lesson 1.7)*

28.  $15 \text{ m}^2 = \underline{\quad} \text{ cm}^2$

29.  $50 \text{ ft}^2 = \underline{\quad} \text{ yd}^2$

30.  $738 \text{ in.}^2 = \underline{\quad} \text{ ft}^2$

**In Exercises 31–33, use the following information.** *(Lesson 1.7)*

**Pizza Pan** A circular pizza pan has a diameter of 15 inches.

31. How many inches would be needed to enclose the outside of the pan with a cardboard strip?

32. How many square inches of pizza can be made in this pan?

33. Would a rectangular pan that measures 12 inches by 15 inches make a larger pizza? *Explain your reasoning.*