

8. What is a polygon? _____

9. List all the Quadrilaterals? _____

10. Name the polygon with sides that measure 5cm, 5cm, and 7cm. **Be specific!**

11. Name the polygon with sides that measure 10cm, 7cm, 10cm, and 7cm.

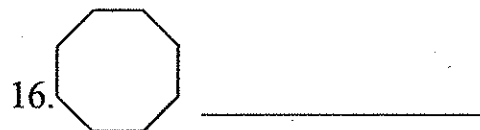
12. Name the polygon with angle degrees that measure 90, 45, and 45. **Be specific**

13. Name the polygon with angle degrees that measure 32, 18, and 130.

14. Fill in the missing information below to complete the chart.

Number of Sides	Number of Angles	Number of Triangles	Measure of Each Angle	Sum of the Angles
3	3		60°	
4	4	2	90°	
5	5			
6	6			
7			128.5°	
8				1,080°
9				
10				

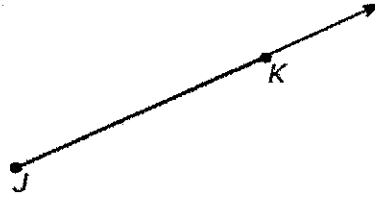
Name the following polygons.



Directions: Circle the correct letter for 19-24.

19.

A figure is shown.



What is the name of the figure?

A. \overleftrightarrow{JK}

C. \overrightarrow{JK}

B. \overline{JK}

D. $\angle JK$

20.

What is the complementary angle to an angle measuring 64° ?

A. 10°

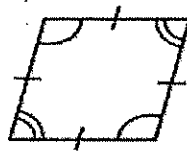
C. 32°

B. 26°

D. 145°

21.

Look at the figure shown.



Which answer lists all the classifications of the figure?

A. quadrilateral, rhombus

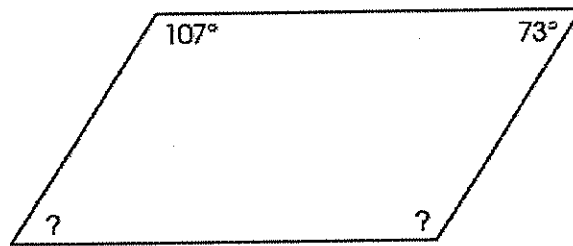
B. quadrilateral, parallelogram, square, rhombus

C. quadrilateral, parallelogram, rectangle, square, rhombus

D. quadrilateral, parallelogram, rhombus

22.

Olivia sees the parallelogram shown in her textbook.



What are the measures of the two unlabeled interior angles?

A. $73^\circ, 107^\circ$

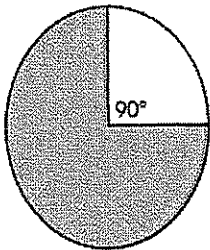
C. $126^\circ, 107^\circ$

B. $42^\circ, 120^\circ$

D. $54^\circ, 179^\circ$

23.

A circle is shown.



How many other central angles of the same size make up the shaded part of the circle?

A. 2

C. 5

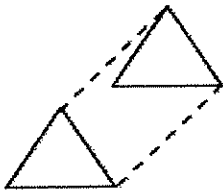
B. 3

D. 7

24.

Which diagram shows a rotation?

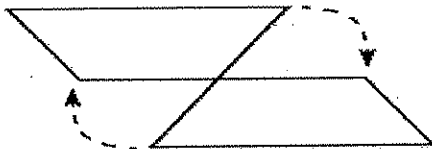
A.



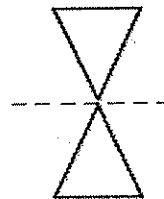
C.



B.

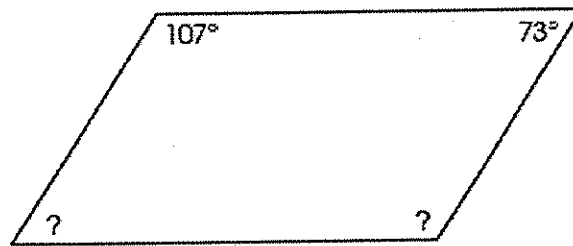


D.



22.

Olivia sees the parallelogram shown in her textbook.



What are the measures of the two unlabeled interior angles?

A. $73^\circ, 107^\circ$

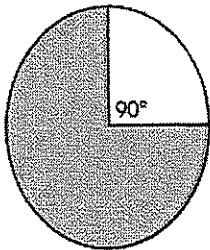
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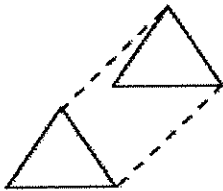
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D. 7

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Which diagram shows a rotation?

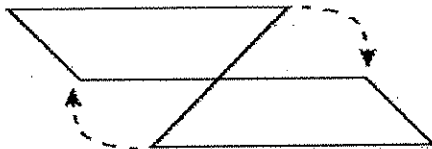
A.



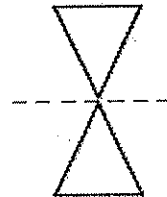
C.



B.

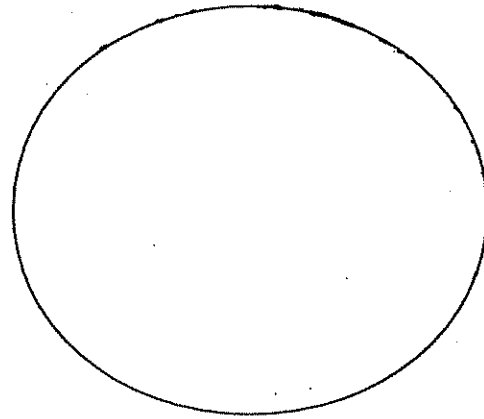


D.

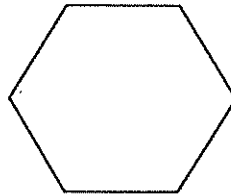


25. Use the circle to label the following:

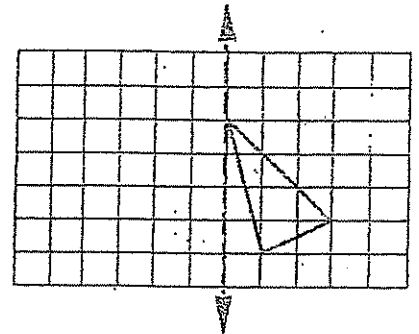
- a.) Radius AM
- b.) Chord MY
- c.) Central Angle BAT
- d.) Lightly shade a Sector



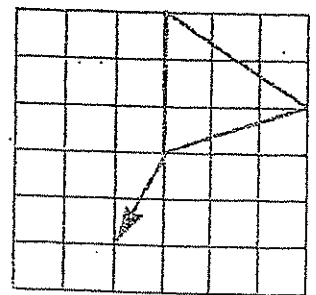
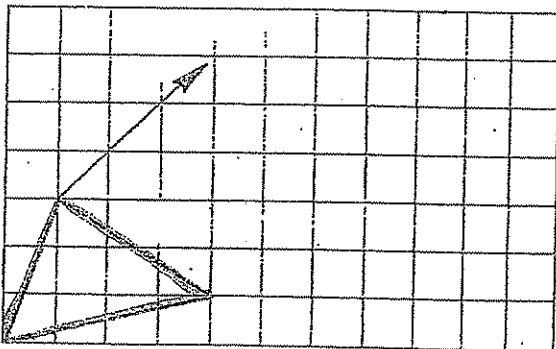
26. What is the interior angle sum of the following shape? Show your work.



27. Reflect the following triangle across the line of symmetry.



28. Write a rule for each translation and translate each shape according to the direction.



29. Rotate the following triangle according to the directions.

Rotate the triangle $\frac{1}{4}$ turn counterclockwise around the point

