Geometry Unit Review
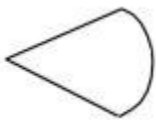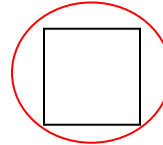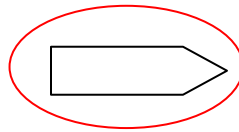
1. Circle the polygons and name them.
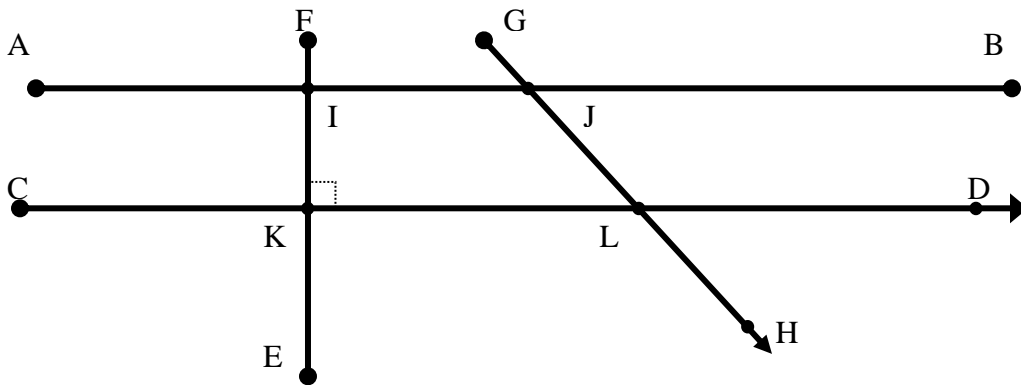

Pentagon   **Pentagon**   **Square**

Use the diagram below to answer questions 2-5.

2. Name a line segment. ___Varies: lots of possibilities___ $\overline{FE}$ $\overline{FK}$ $\overline{KE}$ $\overline{AB}$ $\overline{GJ}$ $\overline{JL}$ $\overline{GH}$

3. Name a ray. ___Varies: lots of possibilities___ $\overrightarrow{CD}$ $\overrightarrow{KD}$ $\overrightarrow{LD}$ $\overrightarrow{GH}$ $\overrightarrow{LH}$

4. Name an obtuse angle. ___Varies: lots of possibilities___ $< JLD$ or $< KLH$ or $< GJB$ or $<IJL$

5. Name two segments that are intersecting. ___Varies: segment AB & segment FE or ray GH & segment AB or segment FE & ray CD___

6. Name two items that are parallel. ___Segment AB & ray CD___

7. Name two items that are perpendicular. ___segment FE & ray CD or segment FE & segment AB___

Draw a line from the name of the angle to the correct angle.
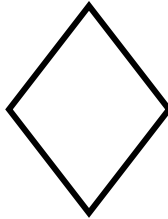
8. Straight   9. obtuse   10.right   11.acute

12. A square and a rectangle are different because _____.
   a. Both have right angles
   b. Both have two sets of parallel lines
   c. One has 2 sets of congruent sides and one has 4 equal sides
   d. One has 2 parallel sides and one has 1 set of parallel sides
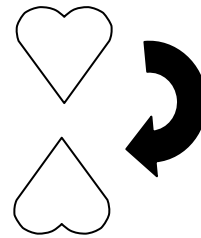
13. What is the shape? **Circle all answers.**
   a. Rhombus
   b. Parallelogram
   c. Trapezoid
   d. Square
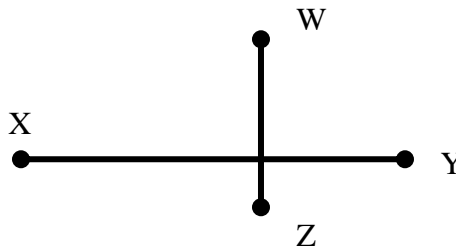
14. How is the shape rotated?
   a. 360 degrees or a full rotation
   b. 90 degrees or a quarter of a rotation
   c. 270 degrees or three quarters of a rotation
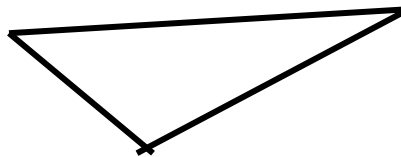   d. 180 degrees or half a rotation

15. The lines below show a set of _____ lines. **Circle all answers.**
   a. Intersecting
   b. Parallel
   c. Perpendicular
   d. Straight

   W
   X
   Y
   Z
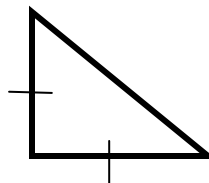
16. Name the triangle by its angle and its sides.
   a. Scalene and obtuse
   b. Right and isosceles
   c. Acute and equilateral
   d. Acute and isosceles

17. Name the triangle by its angle and sides.
   a. Scalene and obtuse
   b. Right and isosceles
   c. Acute and equilateral
   d. Acute and isosceles

Identify the shape and draw it.

18. I am a polygon.

    All of my sides are the same length.

    I have three 60 degree angles.

    What am I? Equilateral triangle

19. I am a quadrilateral.

    I have 2 sets of parallel sides.

    All of my angles are right angles.

    I am not a square.

    What am I? rectangle
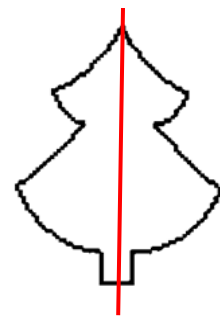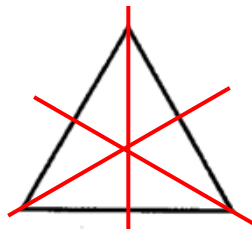
20. I am a polygon.
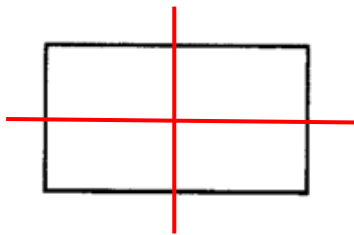
    I am a quadrilateral.

    All of my sides are the same length. Rhombus
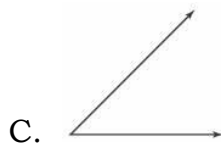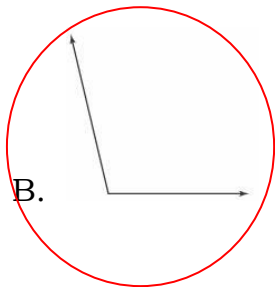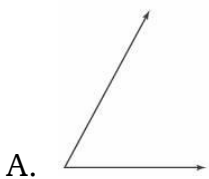
    None of my angles are right angles.

    What am I?

21. Draw all the lines of symmetry in these figures.
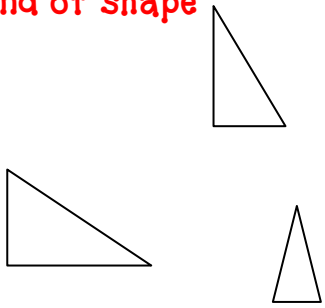
22. Which of the following measures closest to 100° ?
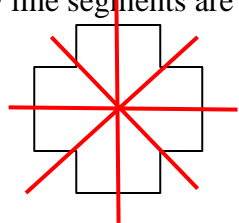

A.   B.   C.   D.

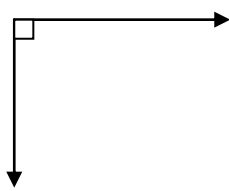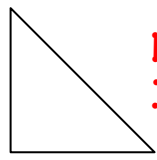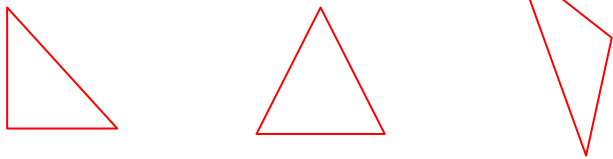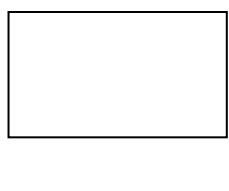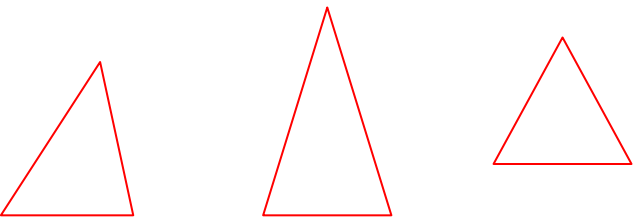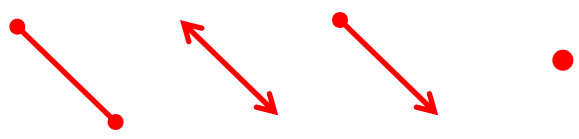|	
23. Which describes these figures? A. **all the same kind of shape** B. all perpendicular C. all symmetrical D. all parallel	24. How many line segments are in the figure? **A. 12** B. 4 C. 11 D. 8 25. Draw in all the lines of symmetry. Does this figure have rotational symmetry? __**yes**____
26. What figure is shown below? **Right Angle**	27. What type of triangle is this? **Right Triangle or Isosceles Triangle**
28. Draw and label the three types of angles based on angles. **Right Acute Obtuse**	29. What are two parallel sides of rectangle ABCD? A B **Segments AC & BC or Segments AB & CD** C D
30. Draw and label the three types of triangles based on sides. **Scalene Isosceles Equilateral**	31. Draw and label an example of each. Line segment, point, ray **Segment Line Ray Point**
32. I have 3 sides and 3 angles. All 3 of my angles are acute. What figures could I be? **Isosceles, Acute, or Equilateral Triangle**	33. Elena cut a figure from paper. It has 4 sides, 2 of which are parallel. There are no right angles. What is the figure? **trapezoid**