

Chapter 1 Assessment Study Guide Test Friday

1. Draw a quadrangle that has all sides the same length, but is not a square.

2. Draw a quadrangle with only 1 pair of parallel sides.

What kind of quadrangle is this?

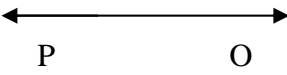
What kind of quadrangle is this?

3. $\overline{AB} \perp \overline{CD}$

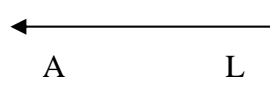
4. $\overrightarrow{OP} \parallel \overleftrightarrow{HG}$
Draw OP. Draw HG so that OP and HG are parallel.

For problems 5-8, fill in the ovals below to show your answers. There is more than one correct answer for some items, so you may need to fill in more than one oval.

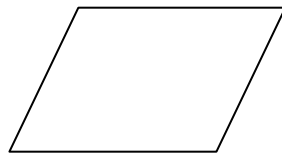
5. \overline{OP}
 \overleftrightarrow{OP}
 \overrightarrow{PO}



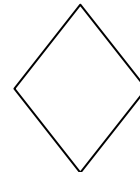
6. \overline{LA}
 \overrightarrow{AL}
 \overrightarrow{LA}

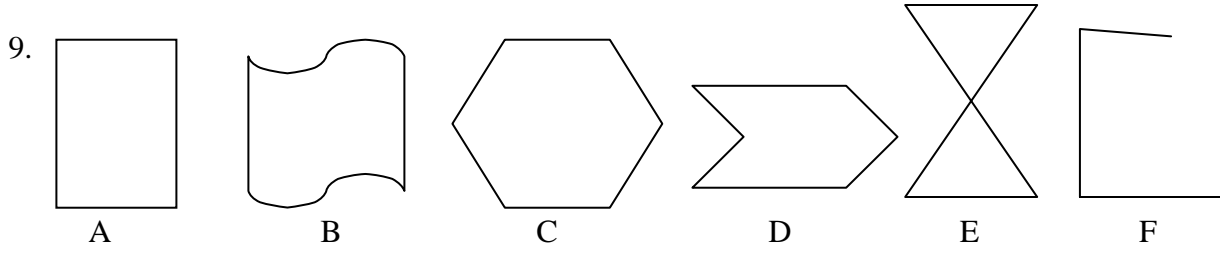


- 7. quadrangle
- polygon
- parallelogram



- 8. square
- rhombus
- trapezoid





Which of the above shapes are not polygons? _____

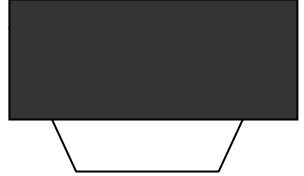
Choose one of the shapes that is not a polygon and explain why it is not a polygon.

Basic addition and subtraction facts should be studied, as they will be on the test.

12. Part of each polygon below is hidden. One of the polygons is a trapezoid, one is a parallelogram and one is a regular hexagon. Write the correct name of each polygon on the line.







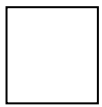
Use a straightedge or the Geometry Template to draw each of the geometric figures in problems 13-15.

13. intersecting rays

14. a concave polygon

15. a polygon that is congruent to the one shown below

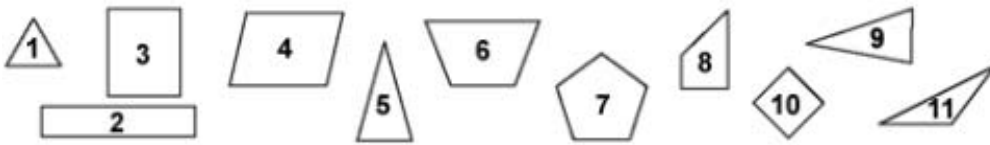
16. a convex pentagon



17. Which of the following is a **true** statement:

- a. Parallel lines always intersect.
- b. Intersecting lines are never parallel.
- c. Perpendicular lines never intersect.
- d. Intersecting lines are always perpendicular.

18. Lea is separating the figures below into groups according to their properties. There are at least three figures in each group. So far, he has made two different groups.



- a. List at least 3 figures that could go into each group. Explain what all the figures in each group have in common.

Group A

Group B

- b. Group A: Tell what the figures have in common. _____

- c. Group B: Tell what the figures have in common. _____

- d. Would figure 12 shown below belong to one of the groups above? Explain why or why not.

