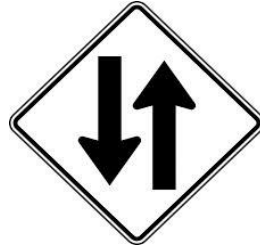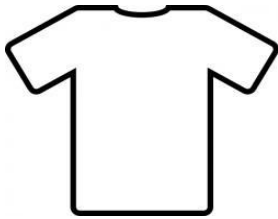Name _____   Date _____
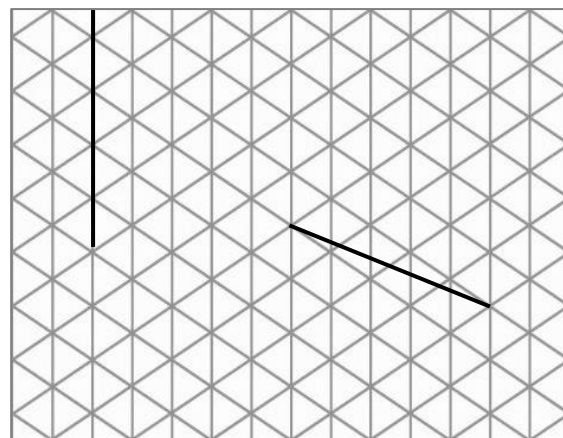
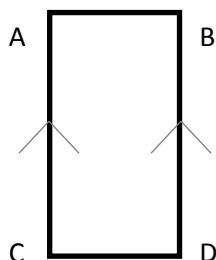1. On each object, trace at least one pair of lines that appear to be parallel.

2. How do you know if two lines are parallel?

3. In the square and triangular grids below, use the given segments in each grid to draw a segment that is parallel using a straightedge.
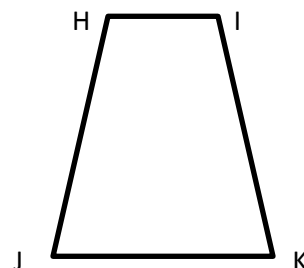
4. Determine which of the following figures have sides that are parallel by using a straightedge and the right angle template that you created. Circle the letter of the shapes that have at least one pair of parallel sides. Mark each pair of parallel sides with arrows, and then identify the parallel sides with a statement modeled after the one in 4(a).
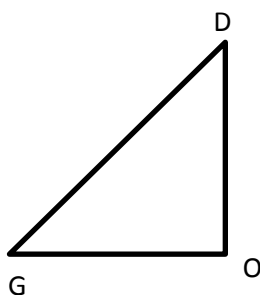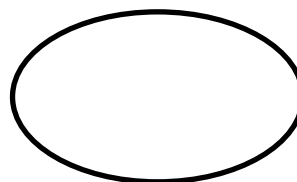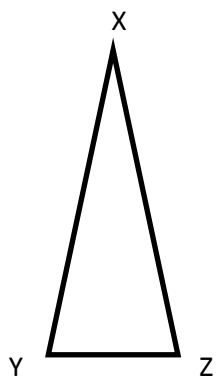
a.

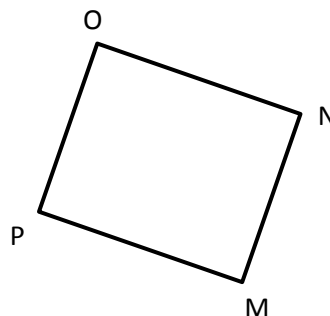$\overline{AC} \parallel \overline{BD}$
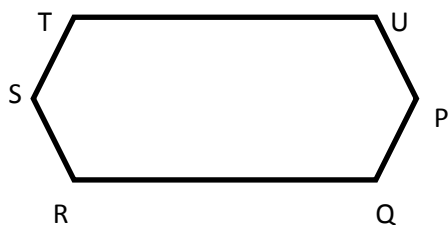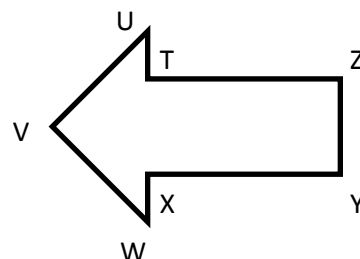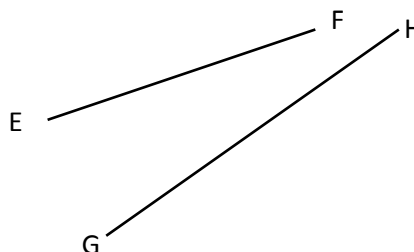
b.

c.

d.

e.

f.

g.

h.

5. True or false? All shapes with a right angle have sides that are parallel. Explain your thinking.

6. Explain why $\overline{AB}$ and $\overline{CD}$ are parallel, but $\overline{EF}$ and $\overline{GH}$ are not.

A ——————————— B   E   F H

C ——————— D   G

7. Draw a line using your straightedge. Now, use your right angle template and straightedge to construct a line parallel to the first line you drew.