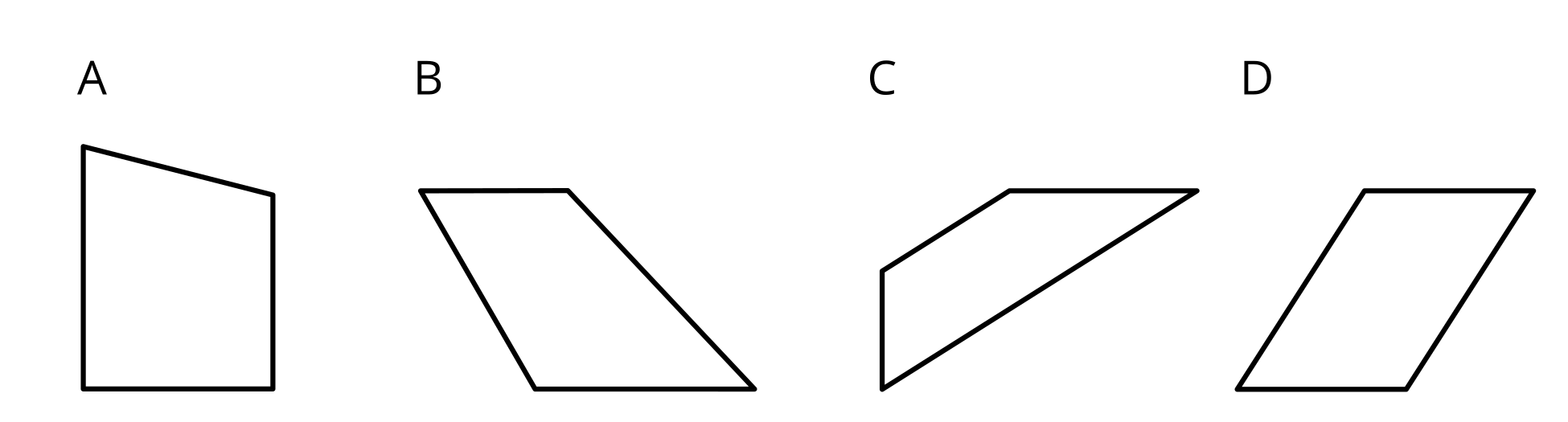
## Lesson 4: Points and Lines All Around

* Let’s find parallel and intersecting lines all around us.

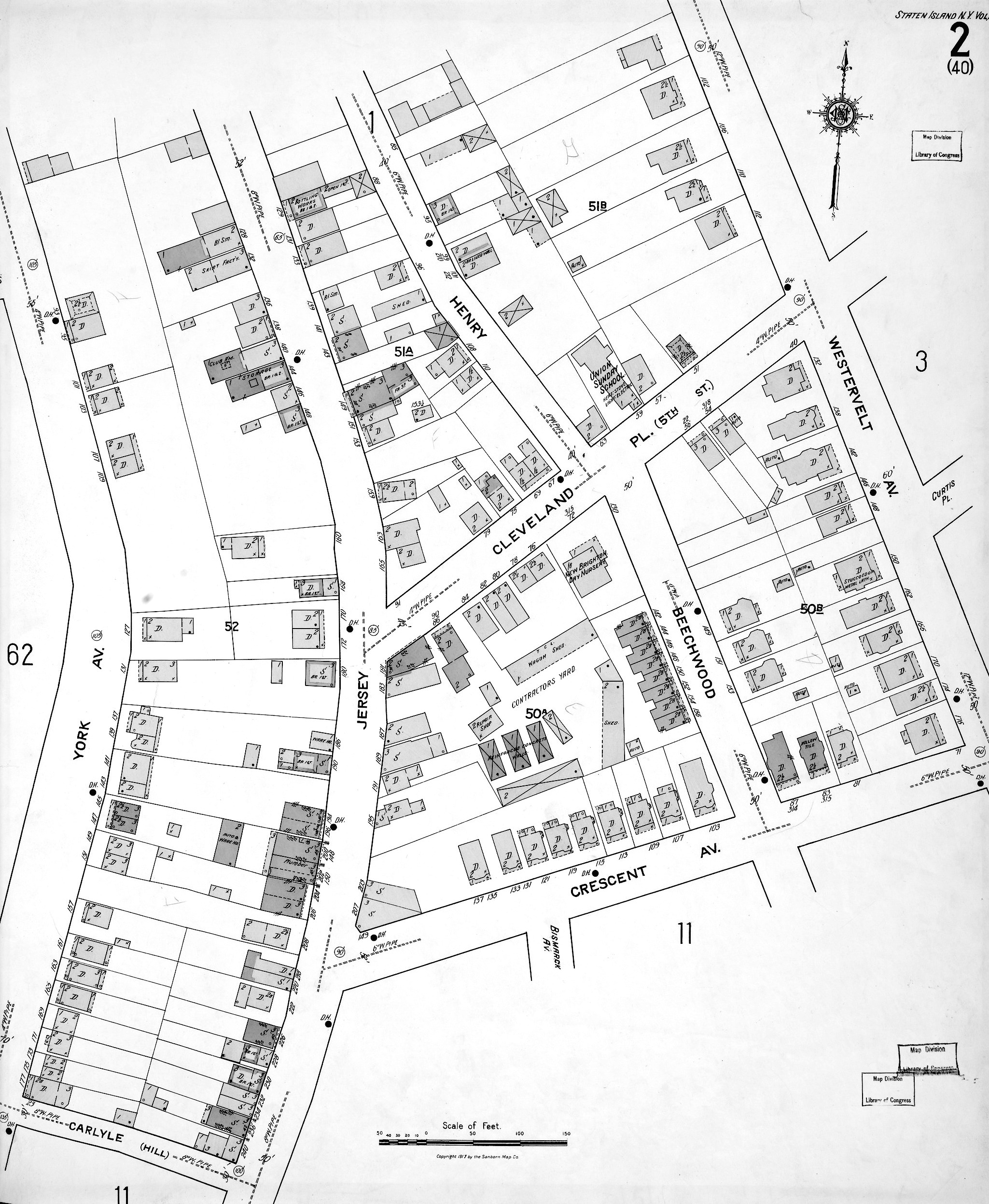
### Warm-up: Which One Doesn’t Belong: Four-sided Shapes

Which one doesn’t belong?



### 4.1: Spot Lines and Line Segments

1. Here is a map of a neighborhood in Staten Island, New York.

* 
* On the map, find and label the following items:
  + 4 line segments of different lengths
  + 3 pairs of parallel lines
  + 2 pairs of lines that are not parallel
* (Consider using different colors for the different types of lines.)

1. In the words WHALE and JOY,

* 
* which letter has:
  1. No parallel segments? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  2. Exactly one pair of parallel segments? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  3. More than one pair of parallel segments? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  4. Only one segment? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

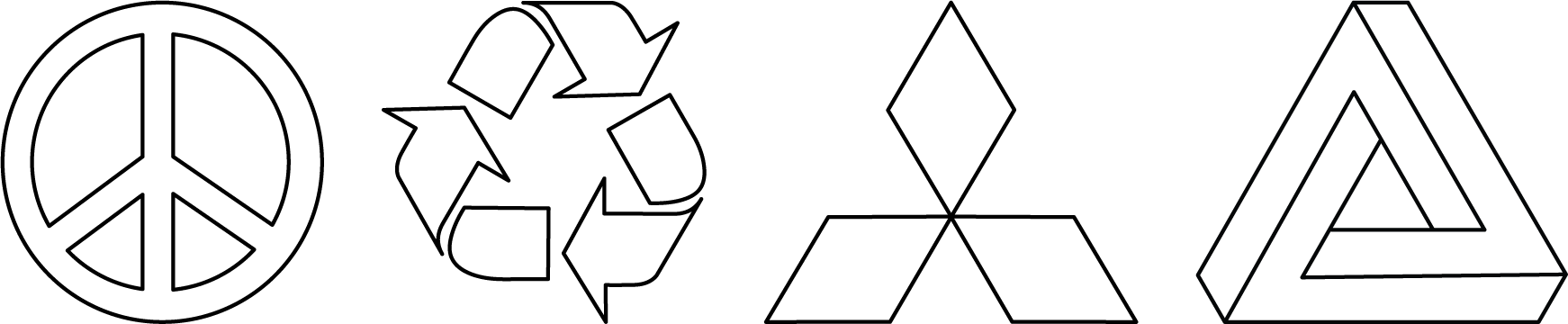
If you have time: Which does the uppercase alphabet use more: parallel segments or intersecting segments?

### 4.2: Draw and Design with Lines

1. Draw a sketch of a part of our classroom and be sure to include:
   1. at least 3 pairs of parallel line segments
   2. intersecting line segments that make square corners
   3. intersecting line segments that don’t make square corners

* Trade sketches with a partner and find the specified lines in each other’s sketches.

1. Here are some symbols and logos that you may recognize. All of them have intersecting and parallel line segments.

* 
* Design a logo with at least 8 parallel segments and 8 intersecting line segments.
* Use a ruler for any straight parts of your logo.



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