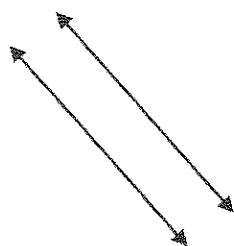


G5-M6-Lesson 13

1. Maya and Ruvio used their right angle templates and straightedges to draw sets of parallel lines. Who drew a correct set of parallel lines and why?

Maya:

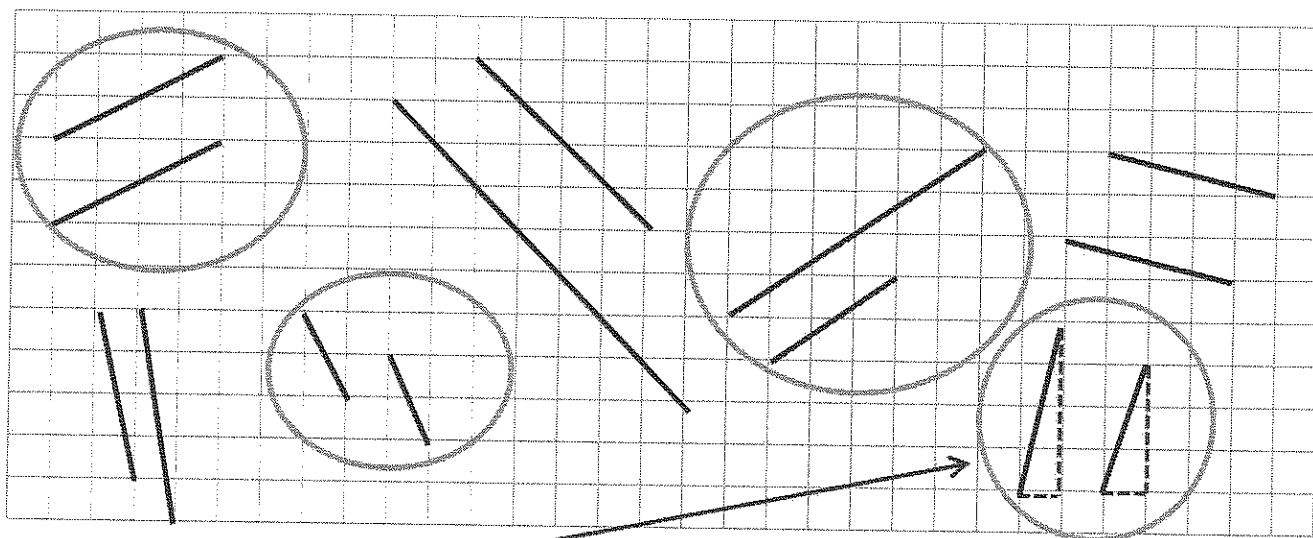


Ruvio:



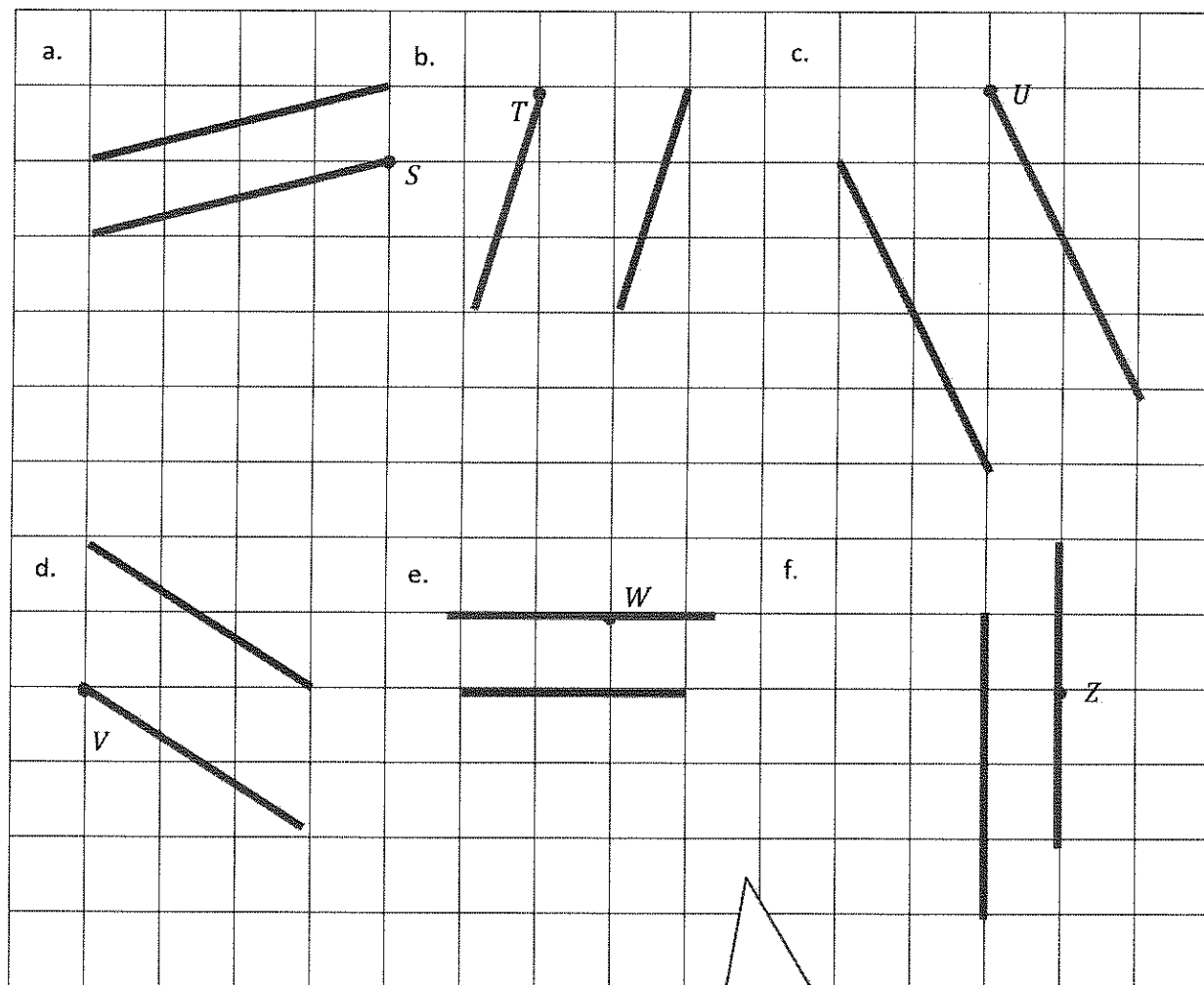
Maya drew a correct set of parallel lines because if you extend her lines, they will never intersect (cross). If you extend Ruvio's lines, they will intersect.

2. On the grid below, Maya circled all the sets of segments that she thought were parallel. Is she correct? Why or why not?



Maya is not completely correct. This set is not parallel. I drew a horizontal and vertical dotted line near each segment to complete a triangle. Even though both triangles have a base of 1, the left triangle is taller. I can see that if I were to extend these segments, they would eventually intersect. These segments are not parallel. Also, Maya did not circle all of the parallel sets of segments.

3. Use your straightedge to draw a segment parallel to each segment through the given point.



I know that the lines do not have to be exactly the same length as long as they are always the same distance apart at every point.