

① Equilateral given a line segment.

① Place compass point on endpoint of line segment

② Create 2 arcs from both endpoints after we measure

③ mark pts that indicate vertices

④ Connect the points

Sep 26-9:39 AM

Bisect an angle (cut in half)

① Put sharp pt on vertex & open compass to any radius length. Construct an arc

② locate pts where arc intersects the given rays

③ Using the same radius, create arcs from both points

④ Draw a line from the vertex through intersection created in step 3.

Sep 26-9:47 AM

Copy an angle (given an angle)

① Put sharp pt on vertex & create a radius. Construct an arc.

② Measure dashed line with compass. Make an arc to indicate measurement.

③ Keep radius the same and put sharp pt on endpoint of the ray & construct an arc.

④ Draw from pt through intersection just created

⑤ from step 4, place sharp pt & make angle C

⑥ Draw a ray (place on end)

Sep 26-9:58 AM

Copy the \angle

① Draw a ray

② Measure dashed line with compass

③ Keep radius the same and put sharp pt on endpoint of the ray & construct an arc

④ Draw from pt through intersection just created

⑤ from step 4, place sharp pt & make angle C

Sep 28-9:44 AM

Sep 28-9:47 AM

① \perp bisector (cut in half)

Given a line segment

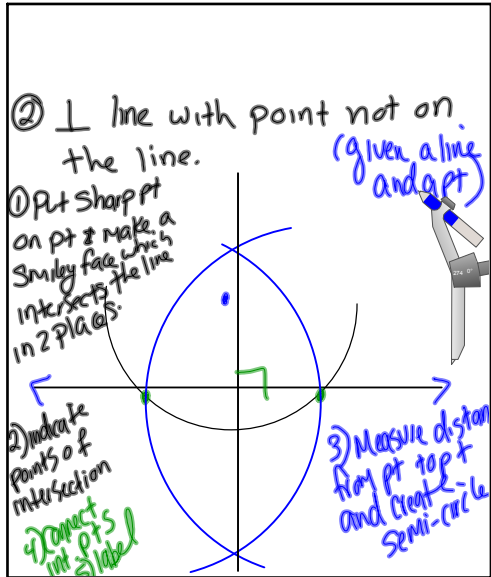
① Put sharp pt on A & pencil on B. Construct a semi-circle

② Repeat, but switch pencil & sharp pt

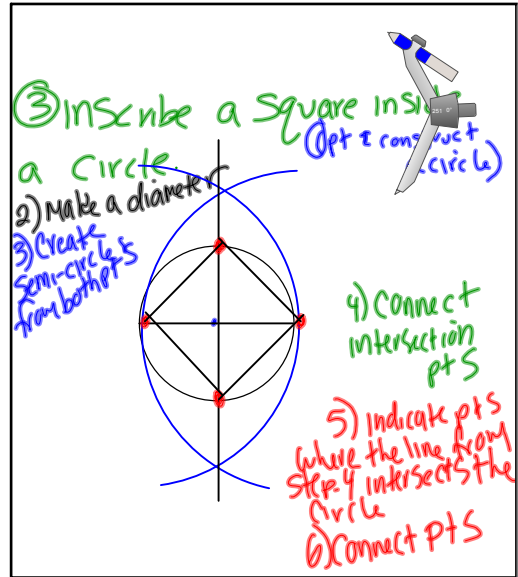
③ Connect the intersection pts.

④ Label l

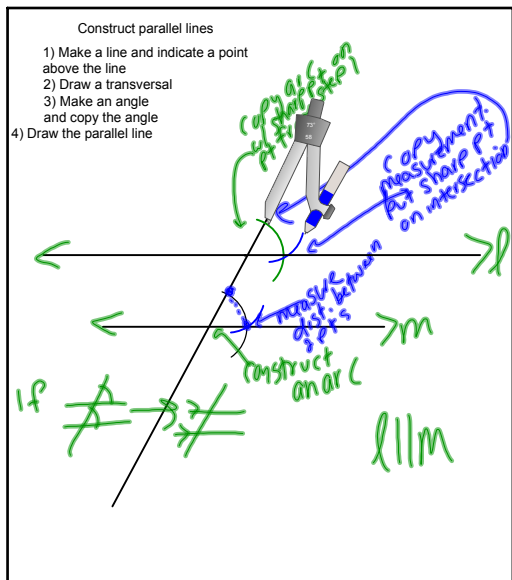
Sep 28-9:49 AM



Sep 28-9:55 AM



Sep 28-10:03 AM



Sep 29-9:40 AM

- Constructions
- 1) Copy a segment
 - 2) Adding segments
 - 3) Angle bisector
 - 4) Copy an angle
 - 5) Perpendicular bisector
 - 6) Segment bisector
 - 7) Equilateral triangle
 - 8) Perpendicular line (point on and off the line)
 - 9) Hexagon given a side
 - 10) Hexagon inscribed in a circle
 - 11) Equilateral triangle inscribed in a circle
 - 12) Parallel lines

Sep 29-9:55 AM