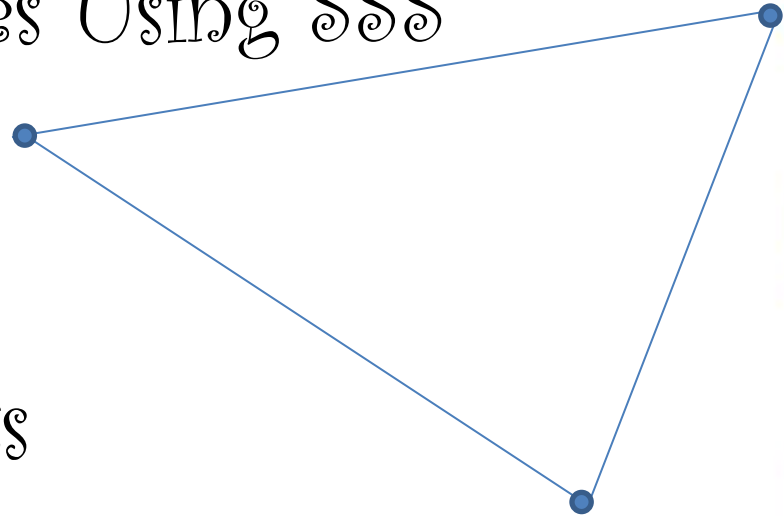




Constructing Congruent Triangles

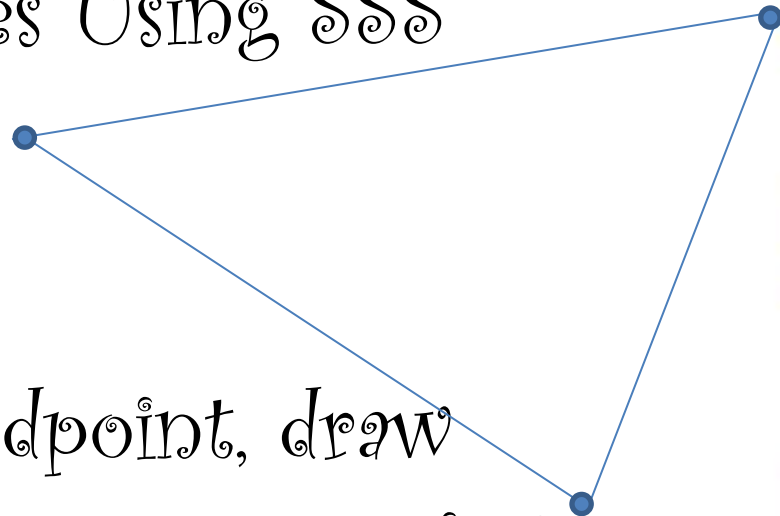
Constructing Triangles Using SSS

1. Copy one side.
2. Mark the endpoints
3. From one endpoint, draw an arc with the compass opening same as the length of the second side

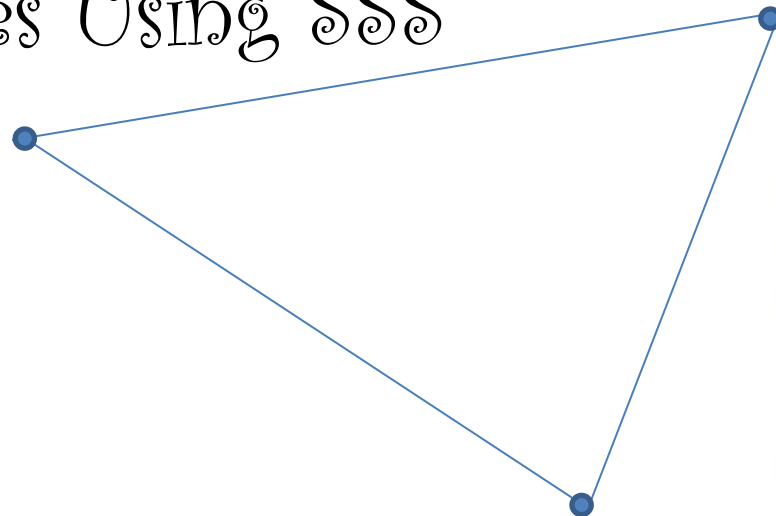


Constructing Triangles Using SSS

4. From the other endpoint, draw another arc with compass opening which has the same length as the third side



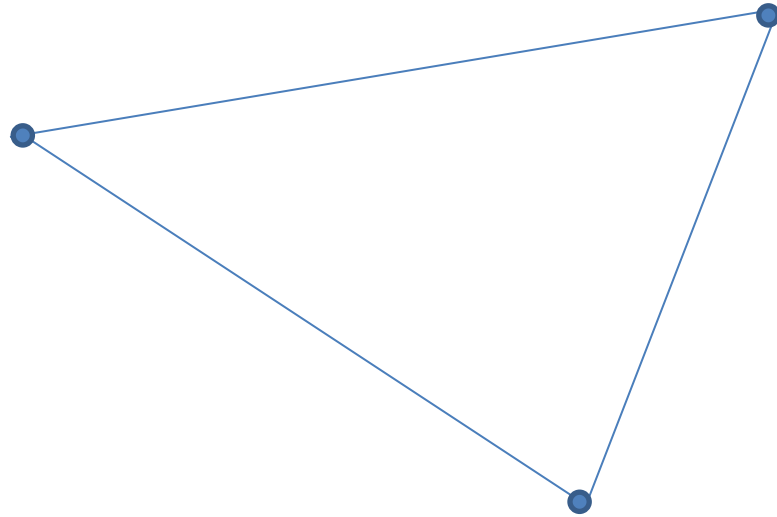
Constructing Triangles Using SSS



5. The result of #3 and #4 will intersect.
Mark the point of intersection and
connect them with the results of #2.

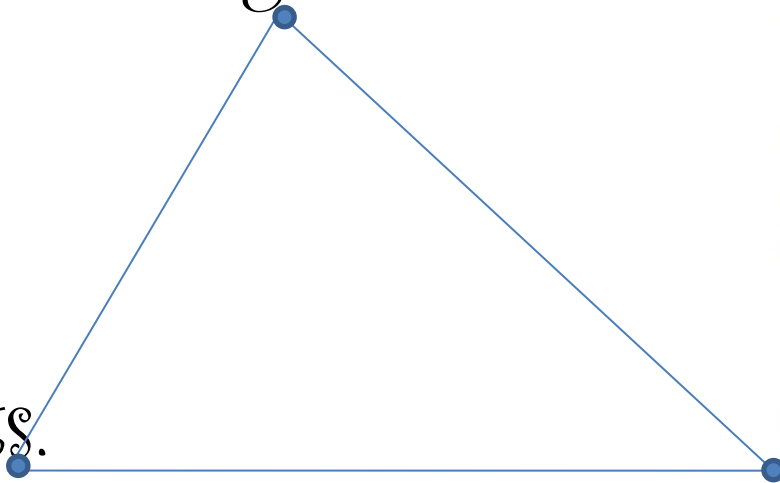


Constructing Triangles Using SSS

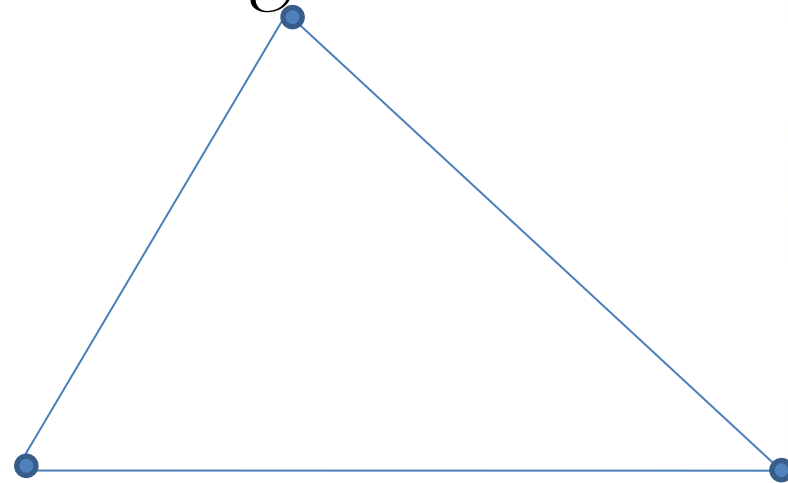


Constructing Triangles Using SAS

1. Copy a side..
2. Mark the endpoints.
3. Copy the angle at one of the endpoints.



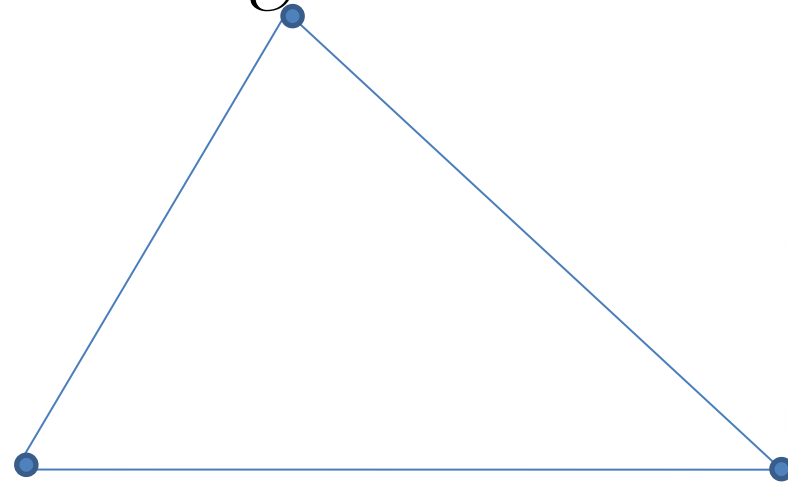
Constructing Triangles Using SAS



4. Draw an arc using the compass opening with the same length as the side that will include the angle at #3



Constructing Triangles Using SAS

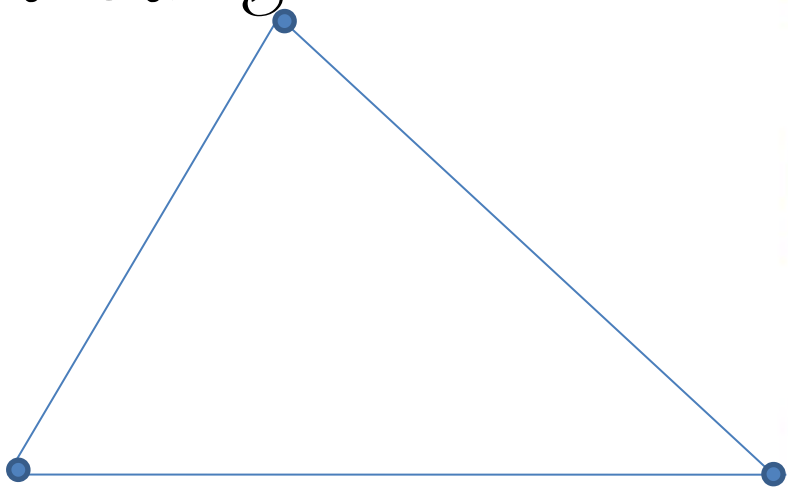


5. Mark the point of intersection

6. Connect the results of #5 and #2

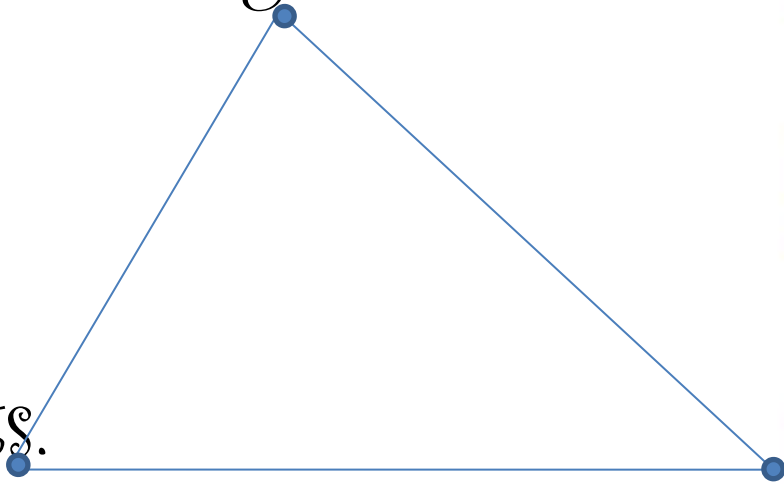


Constructing Triangles Using SAS



Constructing Triangles Using ASA

1. Copy a side..
2. Mark the endpoints.
3. Copy the angles at the two endpoints..
4. The sides of the angles formed will meet. Mark the point of intersection.



Constructing Triangles Using ASA

