

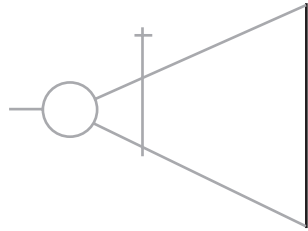
Constructing a Triangle from Three Lines

Problem: Construct a triangle given three lines.

Line A _____

Line B _____

Line C _____

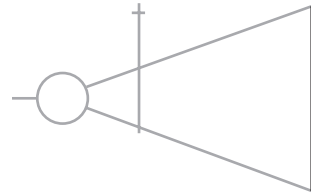


Line A

Line B

- Using a scale or compass, draw a line the same length as Line A.

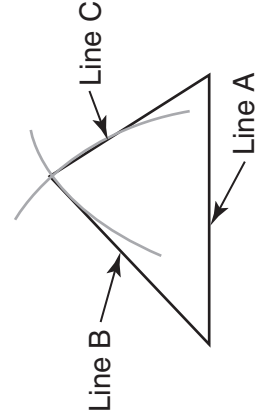
- Set your compass to the length of Line B. Center the compass at one end of the first line and draw an arc.



Line C

Line A

- Set your compass to the length of Line C. Center the compass at the other end of your original line and draw an arc that crosses the arc drawn in Step 2.



- Draw lines from the endpoints of the original line to the intersection of the arcs to complete the triangle.