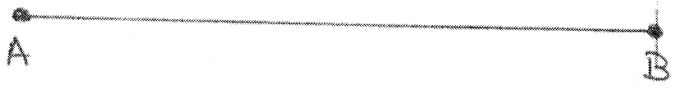
H.Geometry – Chapter 3 – Definition Sheet

Section 3.1	
Measurement Tools	- Ruler (inches, cm.) - protractor (angles)
Construction Tools	- compass - straightedge (unmarked)
Sketch	- Freehand; no drawing tools used
Draw	- use measurement tools; more accurate
Construct	- use construction tools; very precise picture - no measuring allowed; don't erase construction marks
Constructing the Duplicate of a Segment	1.) Start with a given segment. 2.) Draw using straightedge 3.) Use compass to measure out $\overline{AB}$



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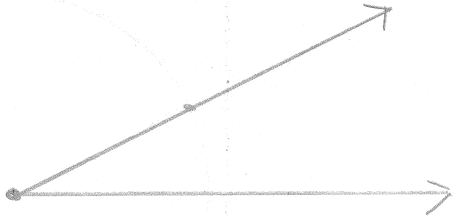
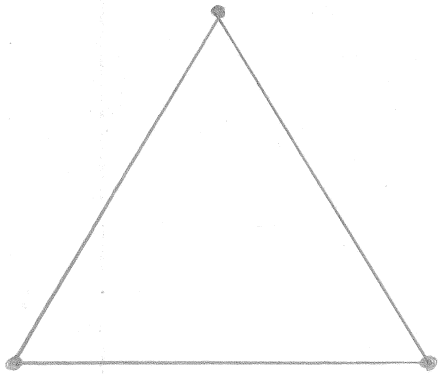
Constructing the Duplicate of an angle	1.) Start with a given angle. with straightedge, draw ray for one side 2.) Use compass to draw arc from point hitting two edges of angle 3.) On new ray, draw the same arc, measure where arc hits the side and do the same to the new ray. 
Constructing an equilateral triangle (1) Draw a line segment w/a straightedge (2) Measure out the length with the compass. (3) From both ends of the segment, draw the arcs. (4) Where they intersect, is your third point of your Δ.