Angles and Parallel Lines

Angles and geometry construction was given to us by Euclid in 300 BC. He wrote a series of 13 'textbooks' that were the go to in every math class for about 400 years!

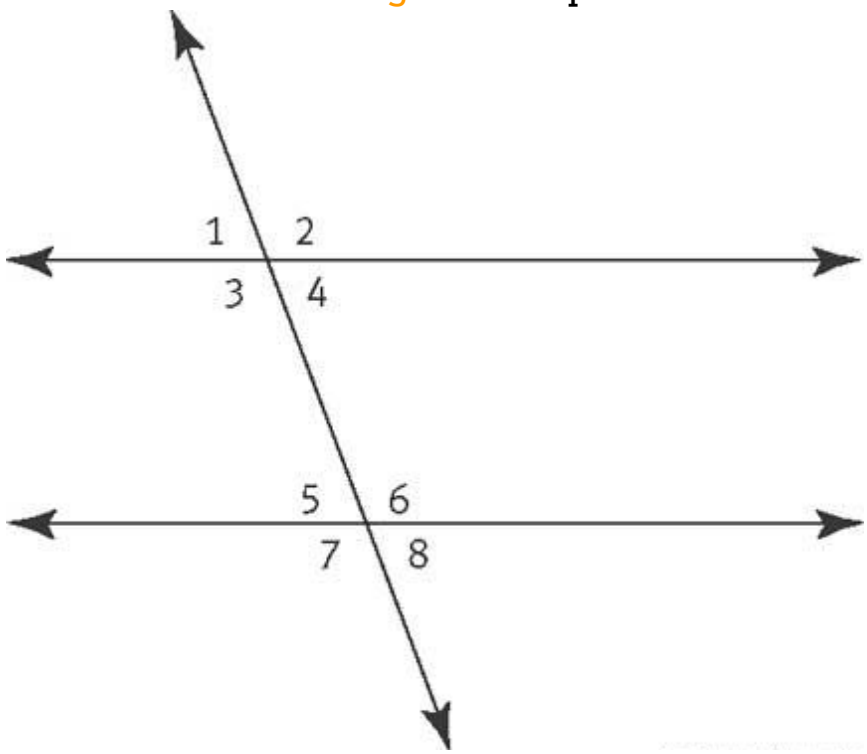
It has mostly been removed from high school now - but you'll see it again in University if you choose a maths focus.

In essence: You must construct different geometrical configurations and the only tools you are allowed is a straightedge and a compass. That's it. Common examples are finding midpoints, parallel and perpendicular lines, etc…

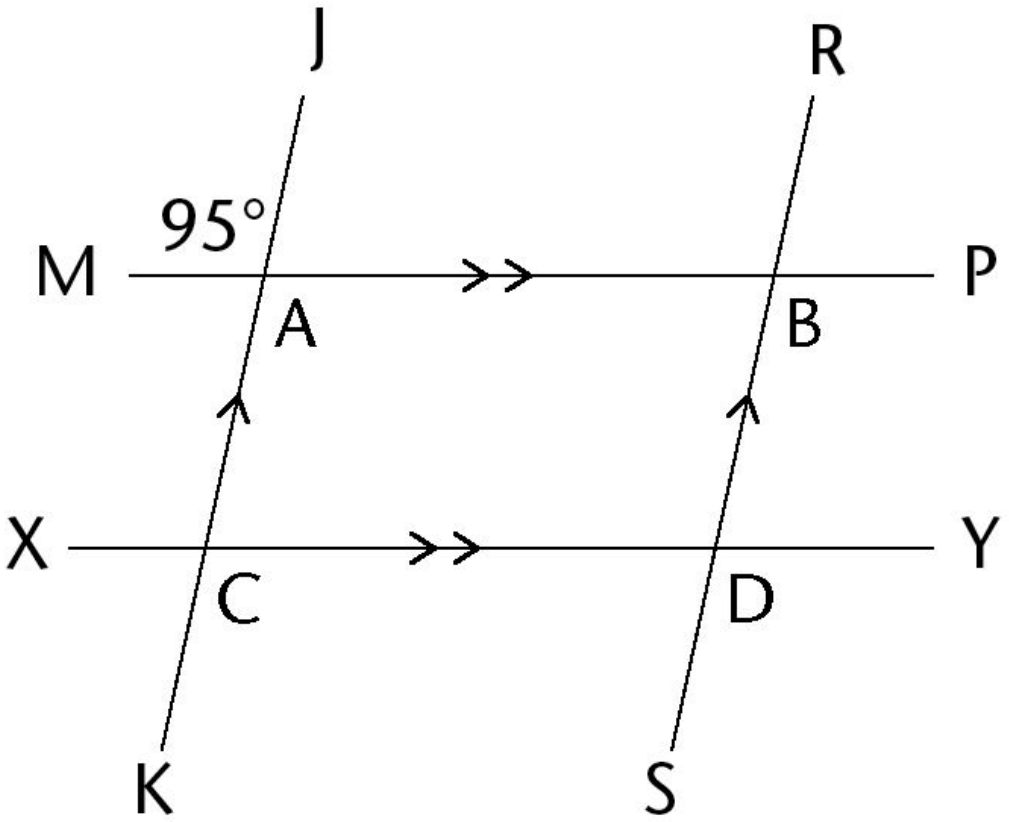
Here is an example of constructing parallel lines with only a straightedge and a compass:

https://www.mathopenref.com/constparallel.html

Show that Alternate Interior Angles are equal.



Solve:



Assigned work:
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Copy (and remember) the "In Summary" at the top of page 78
#1-4, 12-17