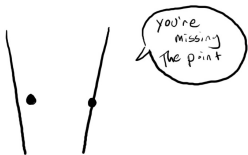


## Prepare to Share

- Write one or more favorites in the Google Doc next to your name

Terrible  
Geometry  
Humor!



*A Few of Our*  
**FAVORITES**  
*from*  
**3610 GEOMETRY**

- Prepare to share this orally when we come back together: Share what you might do over the summer (other than sleep!) that you'd be excited to tell us about if we were meeting again in the fall.

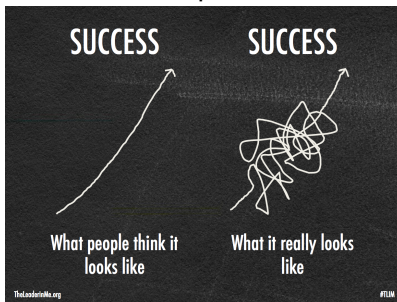
- False conflation of ideas in various sources that incorrectly discuss the validity of Euclid's 5th but list Playfair's instead of Euclid's 5th. It should be:
  - Euclid's 5th is when we are NOT parallel, when we meet. It is perfectly true in spherical geometry. It's the underlying assumptions in I-1 and I-4 that are false in spherical because the circles don't always intersect in I-1 and we don't have a unique way to have an intrinsically straight path in I-4, which are resolved in projective geometry. I-16 is false in both.
  - Euclid's 5th is false in hyperbolic geometry as I-29 goes wrong—that is the first place Euclid's 5th is used.



Euclid's Elements 1573 Edition

## Grading and Where to Get Help

- I have scheduled grading of your final assessment and any optional “revise and reflect” items during the faculty grading period after finals are over but before grades are due.
- I will post feedback comments about your final assessment on your Google Grades Sheet.
- Official course evaluations remain open!



<https://mathequalslove.blogspot.com/p/free-classroom-posters.html>  
<https://www.leaderinme.org/blog/the-power-of-a-growth-mindset/>