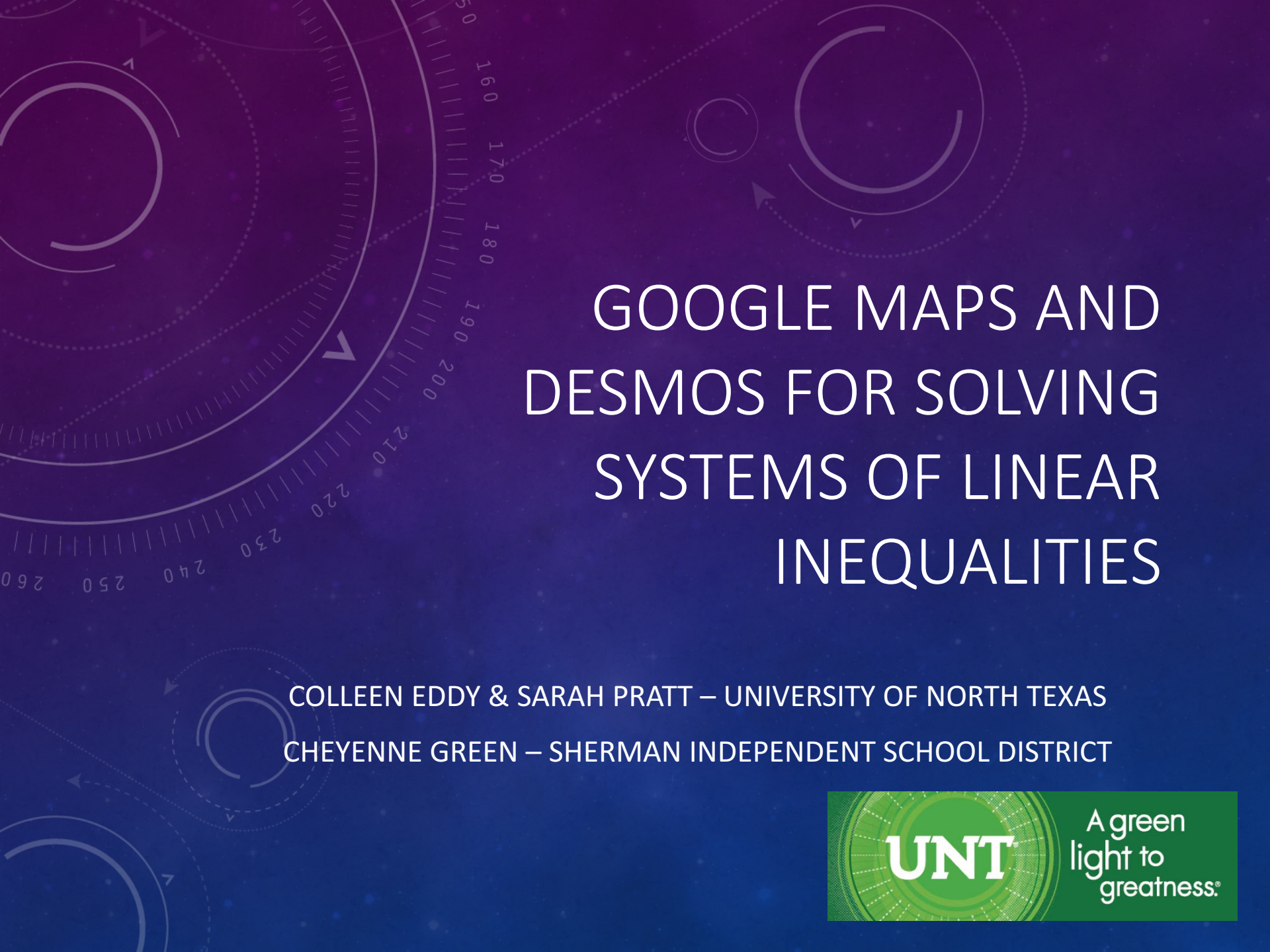




GOOGLE MAPS AND DESMOS FOR SOLVING SYSTEMS OF LINEAR INEQUALITIES

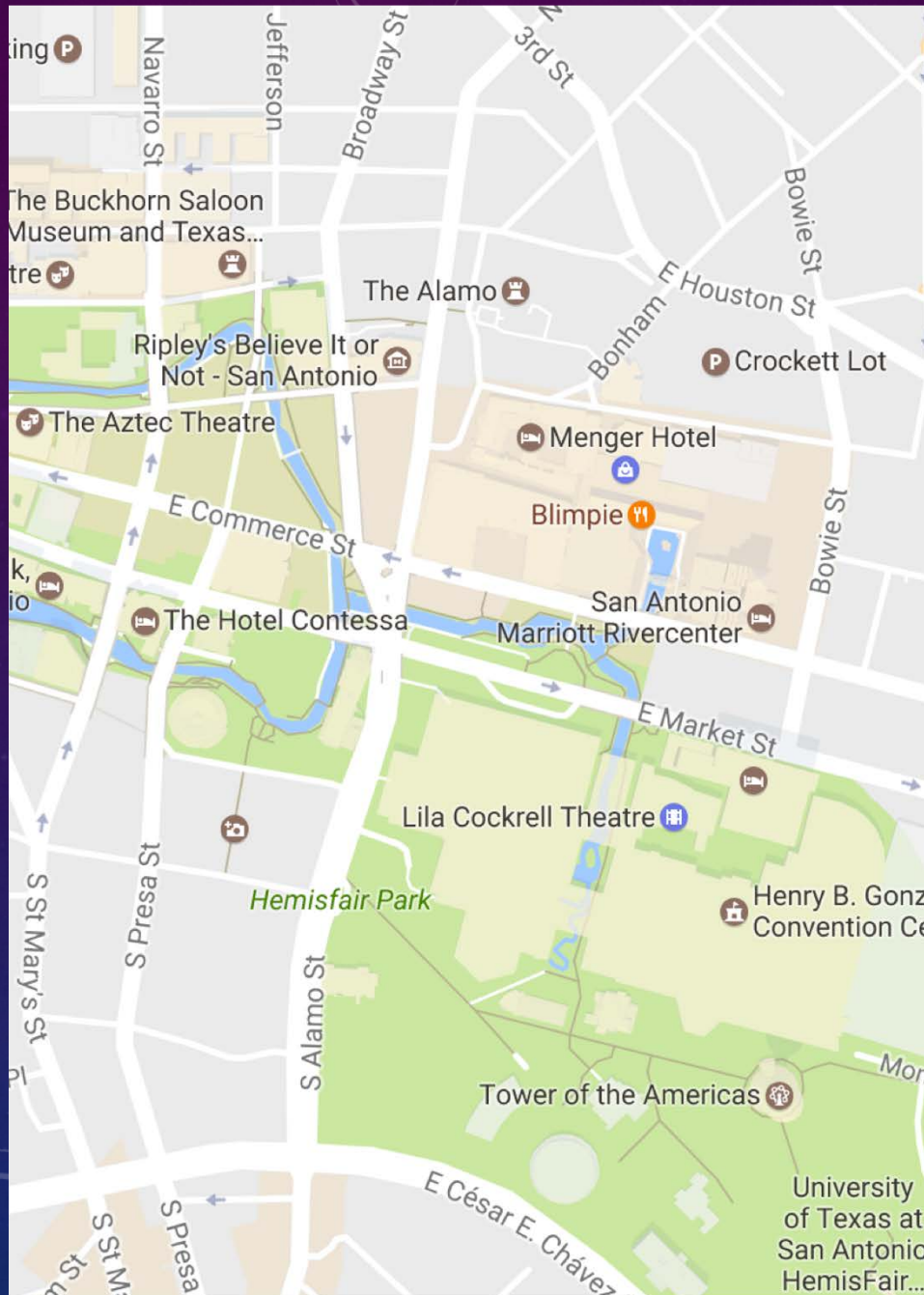
COLLEEN EDDY & SARAH PRATT – UNIVERSITY OF NORTH TEXAS

CHEYENNE GREEN – SHERMAN INDEPENDENT SCHOOL DISTRICT



GOALS FOR THIS SESSION

- Be able to use Google Maps so students experience the purpose of shading two linear inequalities
- Be able to integrate the image of the map into an online graphing program, Desmos
- Be able to create your own scenario with your local context



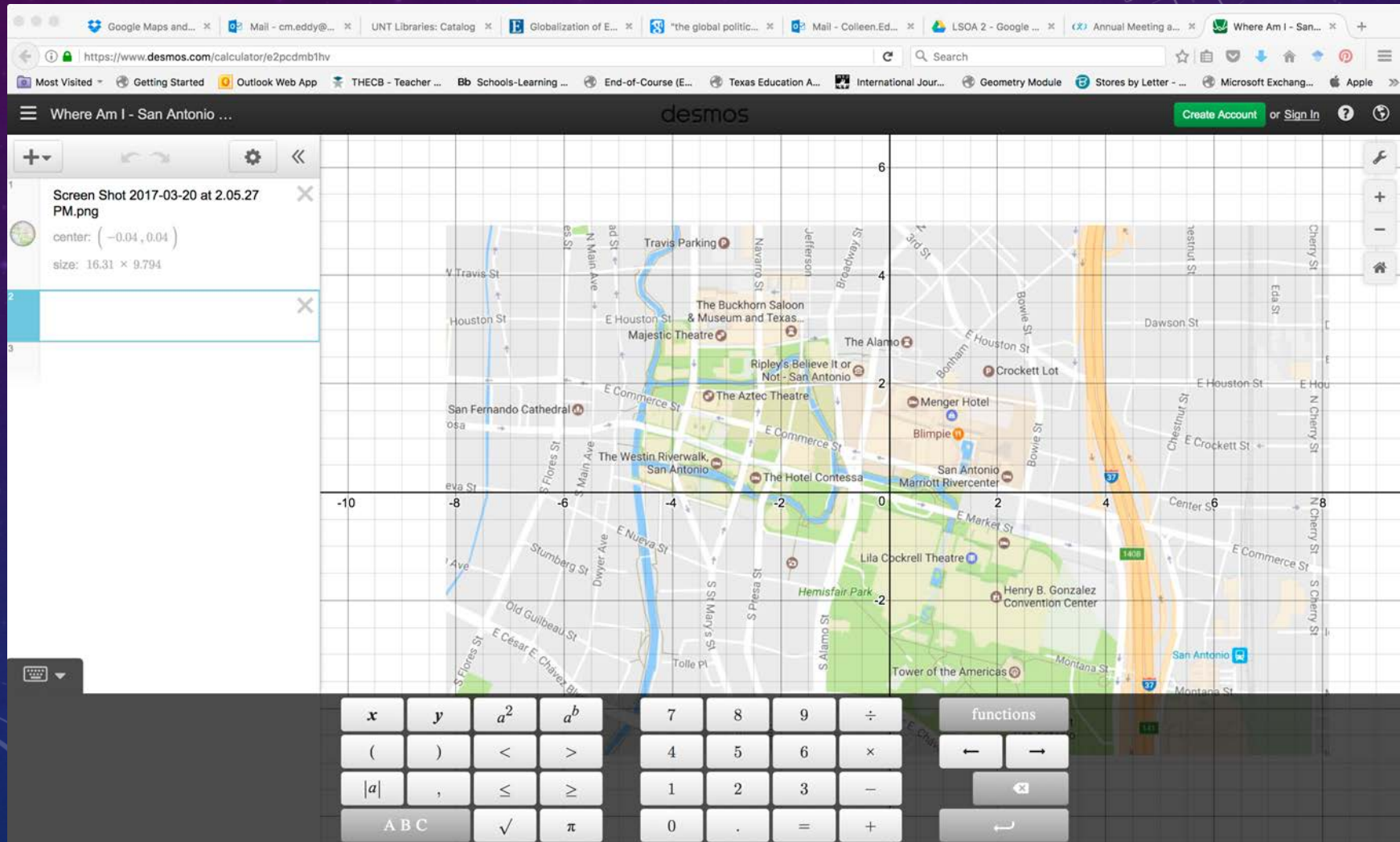
WHERE AM I?
USING A MAP OF THE
DOWNTOWN AREA OF
SAN ANTONIO

Clue #1: I am North of
E. Commerce St.

Clue #2: I am East of
S. Alamo St.

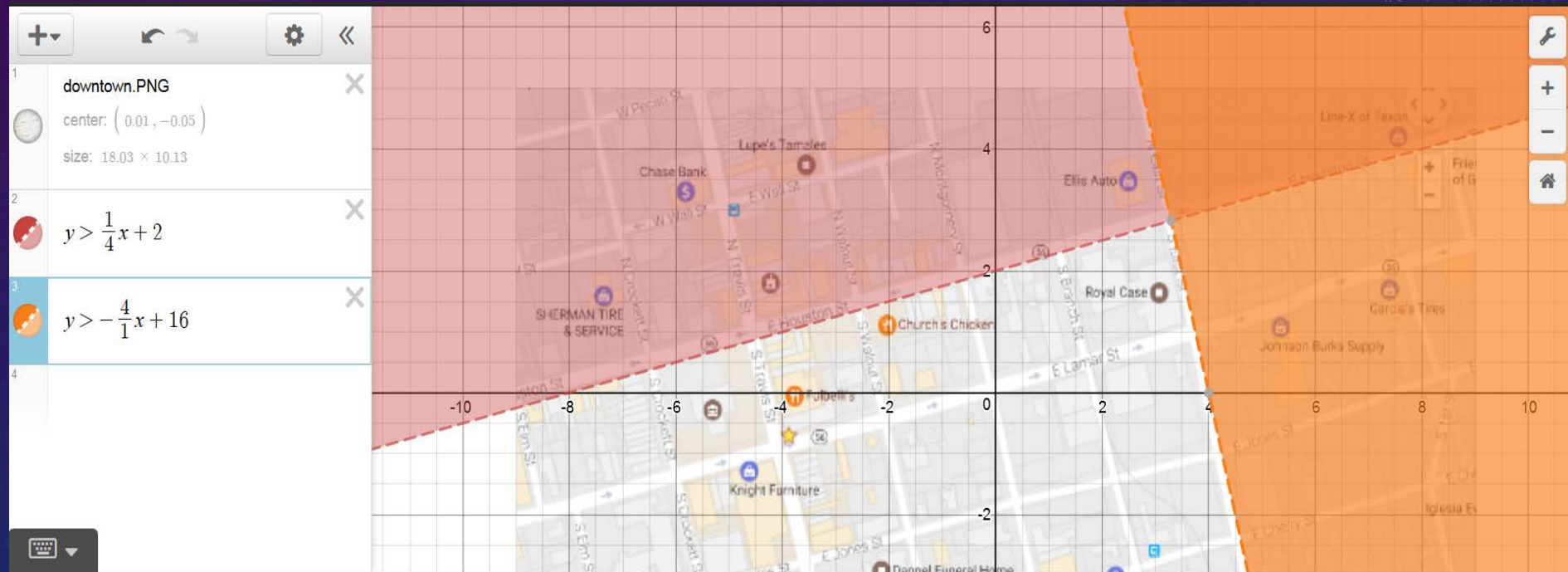
Graphing Using Desmos

Go to the URL: [goo.gl/WwUtCQ](https://www.desmos.com/calculator/e2pcdmb1hv)



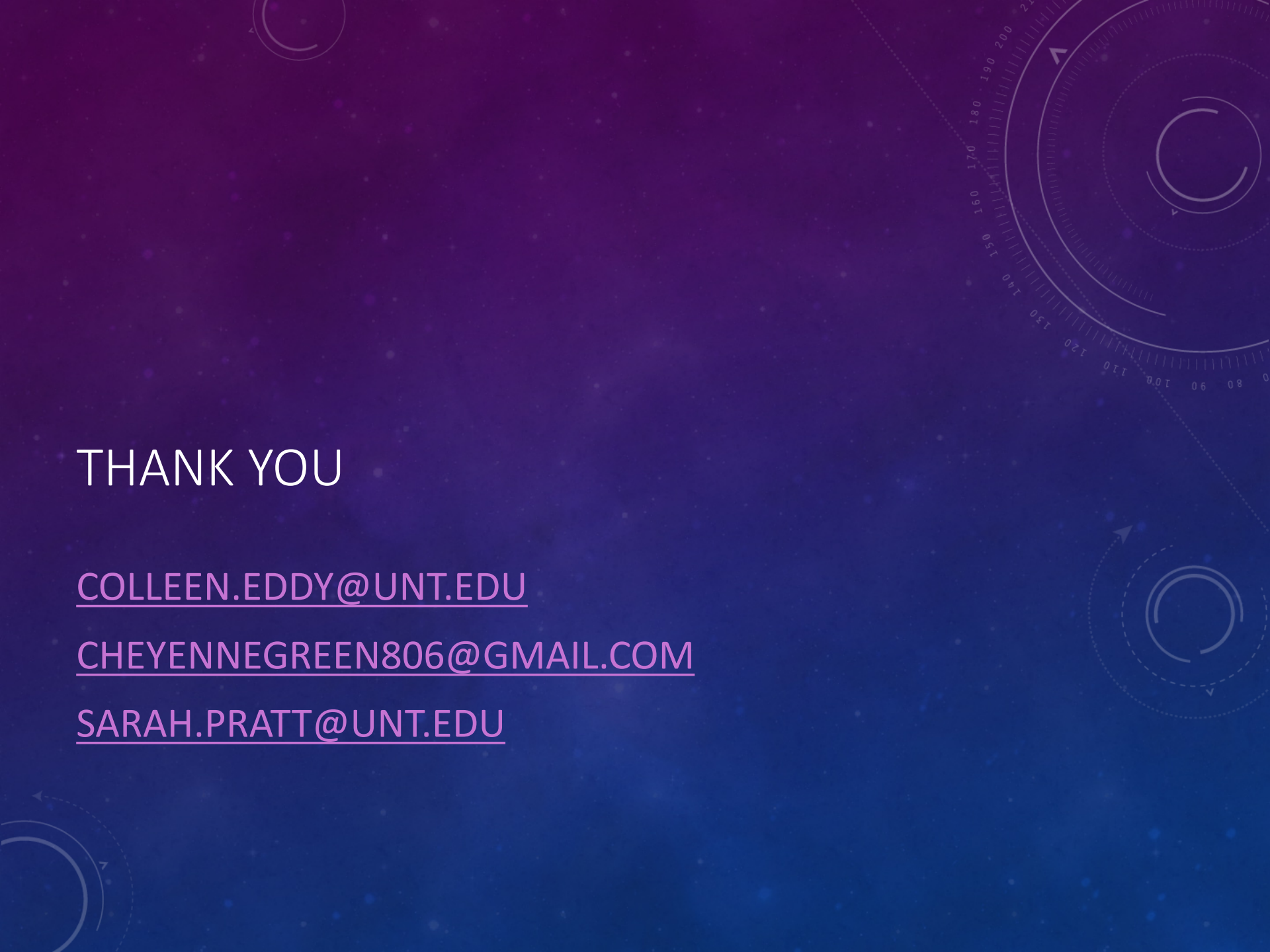
WHY DESMOS?

- Accessibility - Desmos can be accessed directly from the web browser or using the app on a cell phone, tablet, or computer for free.
- Elicit student understandings of the solution set for a system of linear inequalities



DIRECTIONS FOR INSERTING A GOOGLE MAP IMAGE INTO DESMOS:

1. Go to maps.google.com and find a local intersection familiar to your students.
2. Zoom in enough to be able to view the street names yet out enough to have several landmarks that appear on the map.
3. Take a screen shot of the map. (See handout for instructions to do this.)
4. Go to Desmos: www.desmos.com.
5. Create an account or login to your account.
6. Select the upper left-hand + Add Item button. Choose image.
7. Locate the Google Map that you saved as a screen shot.
8. The image will appear in Desmos. Click Untitled and rename your graph.
9. Click Save.



THANK YOU

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