Name	Date	Hr
Chapter 4 Transfor	mations Project	
The goal of this project is to help you understand trans, approval before moving onto the next section if you want in then you may move forward using accurate information. your submitted presenta	t checked. It will be graded at that time Each part of the project should have it	e for that part, but
Every slide will have: one graph with original picture and coordinates and new coordinates properly named. There are of the project and notes with formulas posted to the transformations. All points should be labeled	re five videos on google classroom tha website. You also have your book as a	t explain the parts resource for
Part 1: (14 points) Introduction: In this part, you need to select an image and upload it behind a graph on Desmos, you should create at least more points to make your image more obvious as to whappy to approve your image if you want me to, just a be a screenshot of your Desmos graph with your image	t 10 points. Keep in mind your grap what it is after you perform transfo ask me. Your first slide of your pres	oh may require ormations. I am sentation should
Grade		
Comments:		
Part 2: (15 points) 4.1 Translations: During part two, you will translate your original image like to translate it, but you will complete three differed different slides in your final presentation. Provide a slunits in which direction and has a table with the origin to label each point correctly. Each slide should also have points labeled.	nt translations. This part will requi ide for each translation that explai nal coordinates and your new coor	re three ns how many dinates. Be sure
Slide 1: Choose a number and translate your control of the state	our image to the right or left that n	nany units.
 Slide 2: Choose a number and translate you Slide 3: Combine both translations from t 	,	
Grade	•	J

Comments:

Part 3: (15 points) 4.2 Reflections:

This section has three parts to it. You will be reflecting your original image over both axes and then the line y = x. Three different slides are required; each should include a graph with the original graph and the new coordinates labeled correctly, and a table that includes labeled coordinates from both the preimage and the image.

- Slide 1: Reflect your original image across the x-axis.
- Slide 2: Reflect your original image across the y-axis.
- Slide 3: Reflect your original image over the line y = x.

Grade		
Comments:		

Part 4: (15 points) 4.3 Rotations:

In part four, you will be rotating your original image counter-clockwise (CCW) and clockwise (CW). Just like the two previous parts, you should include one graph with your picture graphed and your new image coordinates labeled. Each slide will also need to have the labeled table of your original and new coordinates. We will use the origin as our center of rotation for all the rotations below.

- Slide 1: Rotate your original image 90 degrees CCW.
- Slide 2: Rotate your original image 180 degrees CW.
- Slide 3: Rotate your original image 270 degrees CCW.

Grade		
Comments:		

Part 5: (10 points) 4.5 Dilations:

This part is about enlarging and reducing your original image. The origin will be used as the center of dilation for our enlargements and reductions. Just as before, there will be a slide for each dilation. Each slide will include one graph with the preimage and image, and one table that is labeled and includes both the original and new coordinates.

- Slide 1: Enlarge your image by double.
- Slide 2: Reduce your image by half.

Grade	-
Comments:	

<u> Part 6:</u>	(10	points)	Video	presentation:	

In this section you will record yourself explaining one of the parts (2-5) from the project. Be sure to include the graph and tables in your video. Your voice is required to be on the video, but not your face. The viewer should be able to listen to your explanation while they watch you demonstrate how to apply your chosen transformation. All videos should be accessible on a slide in your presentation so that there is no problem viewing the video through the presentation. If the teacher is not able to access your video during the presentation process points will be deducted. Your options for recording yourself are (but not limited to): WeVideo, Chromebook Recorder, Awesome Screenshot, Screencastify, or using your phone (if you ask permission.)