

Name \_\_\_\_\_

**MAPS LIE NOTES**

What is the accurate representation of the earth?	
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**Globes**

Positive	Negative

**Maps**

Positive	Negative

Define Cartography	
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**Map Projections**

Cylinder	
Conic	

Planar (Azimuthal)	
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**Map Objectives: Cartographers create maps usually focused on one of the following-- Area, Shape, Distance, and Direction to achieve the map's objective.**

Area	
Shape	
Distance	
Direction	

Sometimes on a map we have to exaggerate colors or symbols so we can see them or we generalize so we can understand a particular maps purpose.

**Map Scale**

Your illustration or example

Method	
Fraction/Ratio	

Bar/graphic	
Written statement	

### Large v. Small Scale

A large scale map shows \_\_\_\_\_ features \_\_\_\_\_ than a small scale map.

Key terms related to why maps lie:

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

### The TRUTH about ALL Maps Lie

1. All maps are flat,

2. All maps distort at least one of the following items:

- 1.
- 2.
- 3.
- 4.

3. Straight lines on the earth may appear

4. North is not

5. Shortest distance between two points may not appear

6. Many maps exaggerate

7. Maps tend to generalize (simplify) information rather than

# MAPS LIE CHOICE BOARD

Name \_\_\_\_\_

Directions: After looking at the Grading Rubric, determine which of the following options you will choose to show your understanding of Maps and How They Can Lie. Use your notes for information. Visuals may be drawn or printed from the internet (with sources given). Remember: This project must be your original work and not copied from internet or other sources.

<p><b>Option 1</b> Create a tri-fold brochure to demonstrate your understanding of how maps lie. The brochure will be a minimum of 8 x 11.5 inches, utilize both visuals and text, and will address all components of the topic as required in the grading rubric.</p>	<p><b>Option 2</b> Write a minimum 3-page report with visuals demonstrating your understanding of how maps lie. The paper will address all components of the topic as required in the grading rubric.</p>	<p><b>Option 3</b> Create a poster demonstrating your understanding of how maps lie. The poster will be a minimum of 18 x 24 inches and will utilize both visuals and text, and will address all components of the topic as required in the grading rubric.</p>
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## Grading Rubric

Your Points	Exceeds 10-9 Pts	Meets 8 Pts	Approaches 7 Pts	Falls Below 6 Pts	Fall Far Below 0-5 Pts
	4 or more advantages and disadvantages to both map and globes.	3 advantages and disadvantages to both map and globes.	2 or more advantages and disadvantages to both map and globes.	Shows some advantages and disadvantages to both maps and globes.	Shows incorrectly advantages and disadvantages to both maps and globes.
	Identifies and summarizes 3 map projections.	Identifies and summarizes 2 map projections.	Identifies and summarizes 1 projection.	Identifies at least 1map projections incorrectly.	No map projections identified.
	Explains with 3 examples why cartographers exaggerate and generalize with maps.	Explains with 2 examples why cartographers exaggerate and generalize with maps.	Explains with 1 example why cartographers exaggerate and generalize with maps.	Explains incorrectly why cartographers exaggerate and generalize with maps.	Did not provide examples why cartographers exaggerate and generalize with maps.
	Distinguishes between 3 types of large and small scale.	Distinguishes between 2 types of large and small scale.	Distinguishes 1 type of large and small scale.	Identifies only large or small scale.	Identifies large and small scale incorrectly.
	Visuals and text enhance interest.	Visuals and text promote interest.	Visuals and text are present.	More visuals and text are needed.	Visuals and text are distracting.

	Color enhances the project.	Color enhances the project.	Some color enhances the project.	More color is needed.	Color is distracting.
	Project is neat and clean.	Project is neat and clean.	Project is mostly neat and clean.	Project is not neat and clean.	Project is not neat and clean.
	Written project exceeds in fluency and conventions.	Written project meets fluency and conventions.	Written project approaches fluency and conventions.	Written project falls below in fluency and conventions.	Written project falls far below in fluency and conventions.
	Notes taken were complete and accurate.	Notes taken were complete and mostly accurate.	Notes taken were mostly complete and accurate.	Notes taken were incomplete.	Notes taken were not complete and accurate.
	Project was turned in on time.				Project was not turned in on time.
	Total Points— 100 pts				