



Topic/Objective CHAPTER: **Ch 2**

NAME:

Pd: 1 2 4 5 other

DATE

Essential Question

What are Map Projections?

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Relief map → shows 3d work

Cartography

↳ the art of map making

Map

Projection

↳ is made by transferring points & lines on a globe's surface onto a sheet of paper
↳ Represents earth's 3d surface onto 2d surface.

Problem w/ them

↳ some sort of distortion w/ flat maps
b/c ⊕ is curved, 3 dimensional

↳ Gerhardus Mercator was a Flemish geographer who created a type of Map with **FLAT EDGES** in the 1600's.

Mercator

projection

↳ Map that has parallel lines of Latitude and Longitude

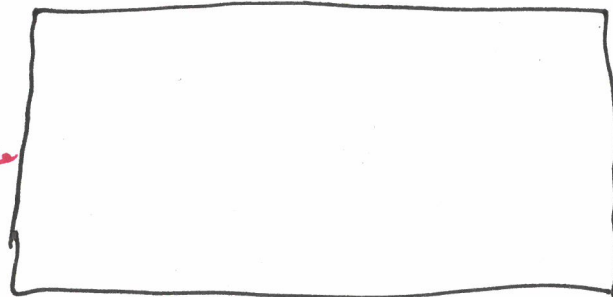
Cylinder

↳ lines are straight,
flat edge, box shape

Tangent

↳ Used for
Navigation

↳ Exaggerates the areas of land masses near the poles, but correctly shows their shape



NOTES CONTINUE ON OTHER SIDE



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NAME:

Map Projections

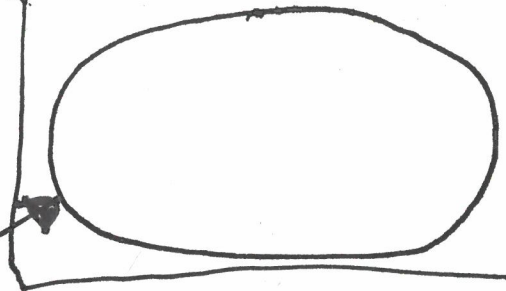
DATE

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Robinson
Projection

↳ Maps that has parallel lines of Latitude & Longitude BUT rounded ends



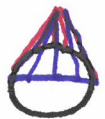
↳ Accurate shapes of land for Navigation
↳ mostly used in text books & atlas
↳ Little Distortion (less)

Conic
Projection

↳ is made by transferring points & lines on a globe's surface onto a cone

Secant

↳ Road & weather maps



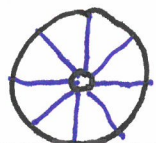
Cone
Shape

↳ Very little distortion in the areas or shapes of landmasses that fall along a certain line of latitude

Gnomonic (plane)

Projection

↳ is made by projection points



SUMMARY:

(Tangent) ↑

& lines onto a piece of paper that touches the globe at a single point.

↳ most Navigation to plot straight route for ships and planes

↳ Distorts direction & distance b/w landmasses