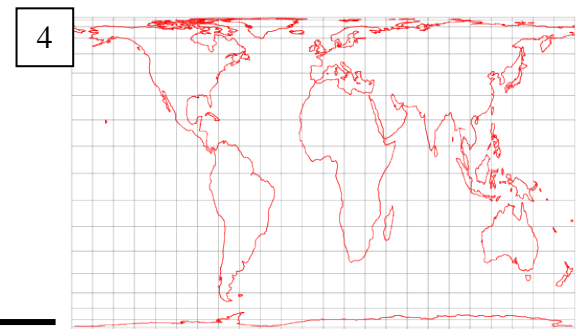
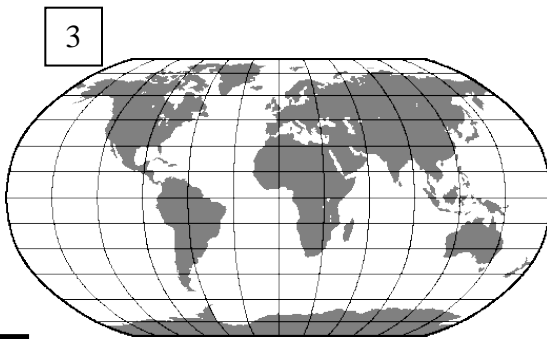
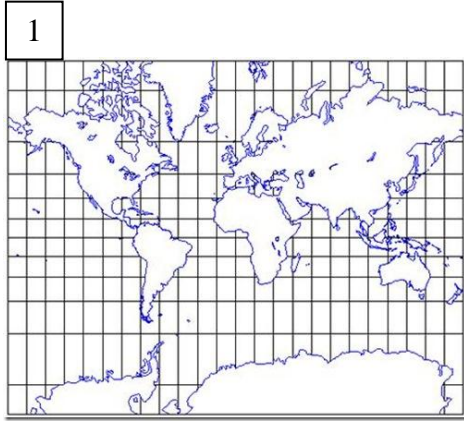


Round: 3B
Category: Geography
Time: 3 Minutes



1. Match each of the letters of the following map projections to the appropriate image above. (8pts)

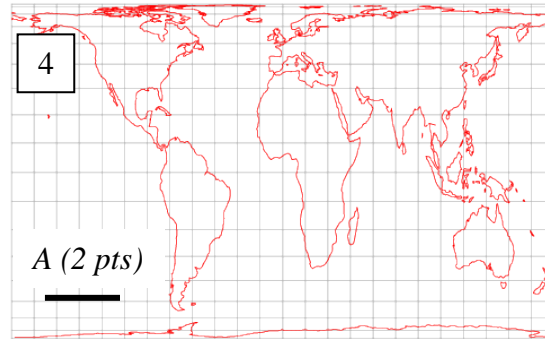
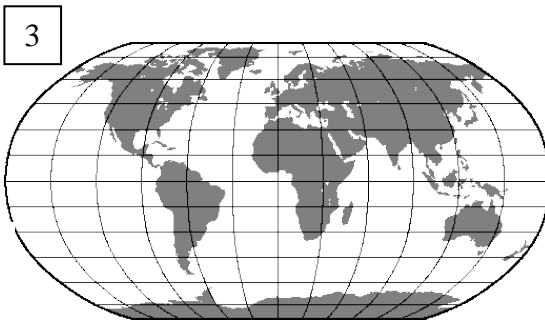
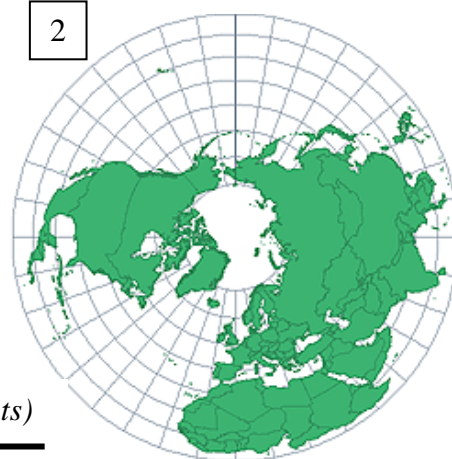
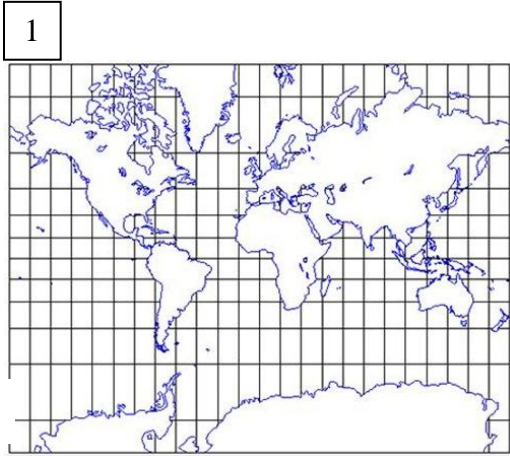
- A. Peters Equal Area
- B. Lambert Azimuthal Equal Area
- C. Mercator
- D. Robinson

Answer the following questions using the appropriate name(s) of the map projections listed in Question 1.

2. Which of the map projections is primarily used for educational purposes (classroom lessons) and why? (3 pts)

3. Which of the map projections is primarily used for marine navigation and why? (3 pts)
4. Which of the map projections is primarily used for studying geology? (1pt)
5. Which two (2) map types are cylindrical projections? (2 pts)
6. Why did Arno Peters consider his map to be a more fair representation of the world over the Mercator map? (3 pts)

Round: 3B
Category: Geography
Time: 3 Minutes



1. Match each of the letters of the following map projections to the appropriate image above.

A Peters Equal Area

(http://esdynamics.geowissenschaften.uni-tuebingen.de/tutorials/gmt/doc/html/GMT_Docs/img55.gif)

B Lambert Azimuthal Equal Area

(http://georeference.org/doc/images/sc_projections_laea.gif)

C Mercator

(http://lh6.ggpht.com/FaizRious73/R8jY5i3rAnI/AAAAAAAAAb8/JhXLgN86MjI/The+Mercator+as+an+example+of+a+conformal_thumb%5B1%5D)

D Robinson

(http://mathworld.wolfram.com/images/eps-gif/PetersProjection_800.gif)

Answer the following questions using the appropriate name(s) of the map projections listed in Question 1.

2. Which of the map projections is primarily used for educational purposes (classroom lessons) and why?

Robinson OR D OR 3 (1 pt)

Compromised map distortion – provides appropriate representation of the world while understanding that all areas are distorted on some level – overall good representation, moderate levels of distortion. Attempts to create balance to distortion. (2pts)

3. Which of the map projections is primarily used for marine navigation and why?

Mercator OR C OR 1 (1 pt)

All straight lines on the map are lines of constant azimuth, ability to represent lines of constant course, constant direction, angular measurement in a spherical coordinate system. Generally everything is measured off of true north, 0 degrees (2 pts)

4. Which of the map projections is primarily used for studying geology?

Lambert OR B OR 2 (1 pt)

5. Name the two (2) map types are cylindrical projections?

Mercator OR C OR 1 (1 pt)

AND

Peters OR A OR 4 (1 pt)

6. Why did Arno Peters consider his map to be a more fair representation of the world over the Mercator map?

Peters thought it more fairly displayed the developing world (1 pt) countries than the Mercator map projection (1 pt), which enlarged or distorted North America & Eurasia (1 pt)