

# Homework #1



**Color the maps on pages 1 – 4. Follow the instructions for coloring. Read the information on each page.**

1. What are the three basic components that most maps have?
2. Globes use imaginary lines to form a grid that allows geographers to locate places in the world.
  - a. What are the vertical lines called?
  - b. What are the horizontal lines called?
  - c. What is the equator?
  - d. What is the prime meridian?
  - e. What are the Tropics of Cancer and Capricorn?
3. List one advantage and one disadvantage of a Mercator projection map.
4. List one advantage of a Robinson projection map.
5. What is the difference between a physical map and a political map?
6. What does GPS stand for and how does it work? (Internet)
7. Geographers use GIS to overlay data on maps. What does GIS stand for? (Internet)
8. Use the internet to find the absolute location (latitude and longitude) of the following places:
  - a. New Braunfels, Texas
  - b. Greenwich, England
  - c. Sydney, Australia
  - d. Lima, Peru
9. What is the name of the large “supercontinent” that may once have existed?
10. What geologic form is created when two plates collide and converge?
11. Most volcanic eruptions occur along plate boundaries. What is the name of the circle of volcanoes that surround the Pacific Ocean?
12. List the seven continents. Which continent is the largest? Which is the smallest?
13. List the four oceans. Which is the largest ocean? Which is the smallest?
14. What percentage of the earth’s surface is land?

**Land Forms: Design your own continent**

Make a 3D model of your continent. You can use cardboard, poster board, salt clay, cookie dough, etc. Bring it to class next week. Your model will be graded on completeness and neatness.

- It must have at least six of the land forms that are listed in the Geography Coloring Book.
- Label each of the land forms on your map. (Example: Michael’s Mesa)
- Label the ocean next to your continent.
- Label your continent.
- Include a compass rose showing which way is north.
- You may add up to 3 cities on your map.

**Bonus: + 5 points: Print out the Waterman map projection. Cut it out and neatly fold it into the shape of the globe. Bring it to class next week.**