

NAME:

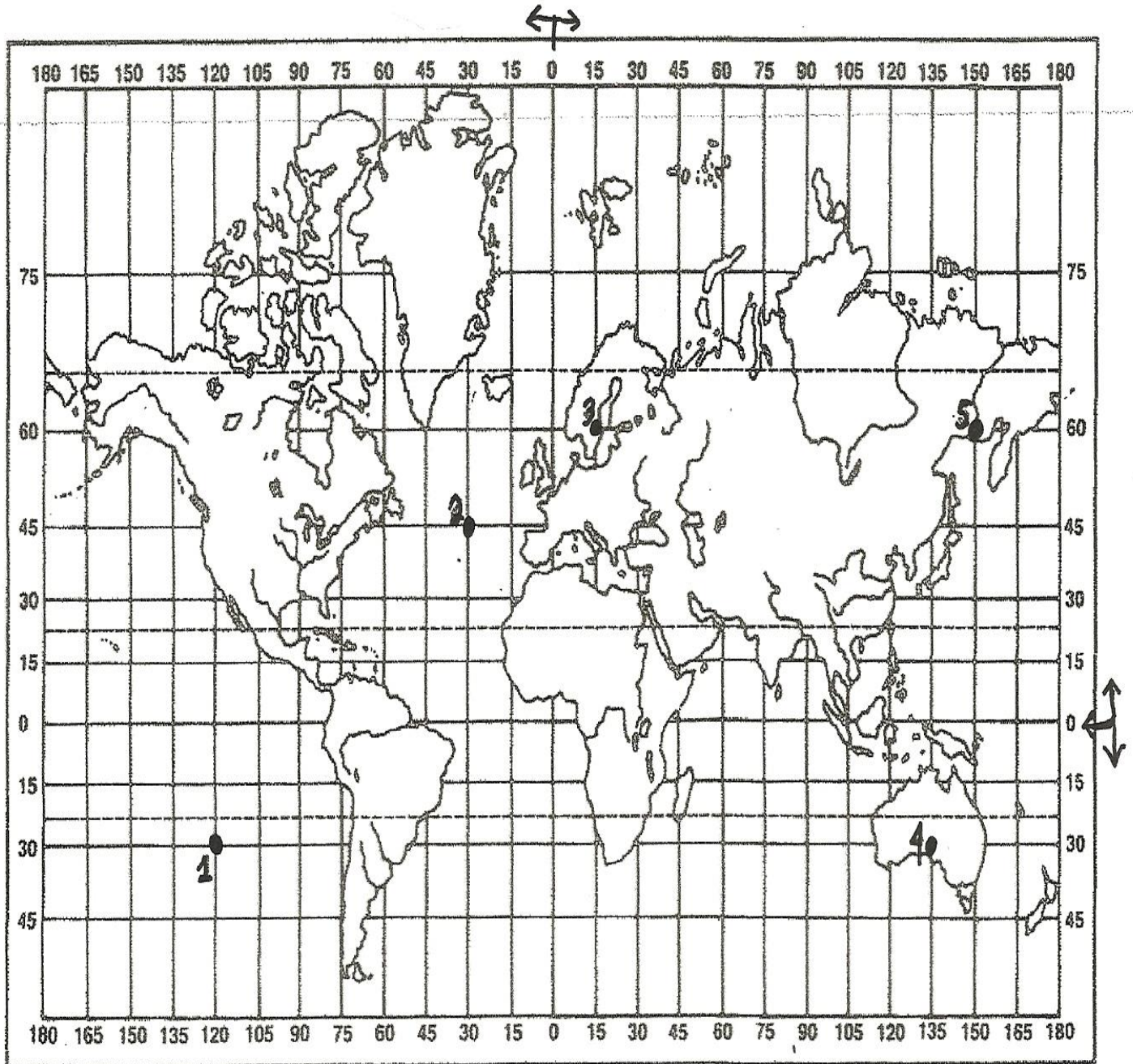
DATE:

Class Pd:

Latitude, Longitude AGAIN with Time Zones

Latitude and Longitude

- Any experienced sailor or pilot knows the importance of latitude and longitude when navigation. In this activity you will practice AGAIN using latitude and longitude coordinates.
- Determine the latitude and longitude coordinates for the numbered locations on the world map below. Then enter the coordinates in the space provided in the data table. Make sure you label each coordinates as NORTH, SOUTH, EAST, or WEST.
- In the Next DATA Table place a point on the map for EACH location identified by the latitude and longitude coordinates.



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DATA TABLE 1

LOCATION	LATITUDE	LONGITUDE
1		
2		
3		
4		
5		

DATA TABLE 2

LOCATION	LATITUDE	LONGITUDE
A	15° S	150° W
B	0°	60° E
C	75° N	45° W
D	45° S	105° E
E	15° N	30° E

Time Zones

A day is 24 hours long, as you know. During these 24 hours, the Earth rotates 15° every hour. The Earth is divided into 24 time zones of 15° of longitude each. A time zone is a longitudinal belt of the Earth in which the local time is the same. When you cross from one time zone to another, the local time changes by one hour.

If you traveling EAST, you ADD one hour from each time zone you cross.

If you traveling WEST, you subtract one hour.

Using the world map, determine the time zones and locations 2 to 5 if it is 8:00PM at location 1. Record your answer in the space provided.

LOCATION	TIME ZONE (LONGITUDE)	TIME
1	120° W	8 pm
2		
3		
4		
5		