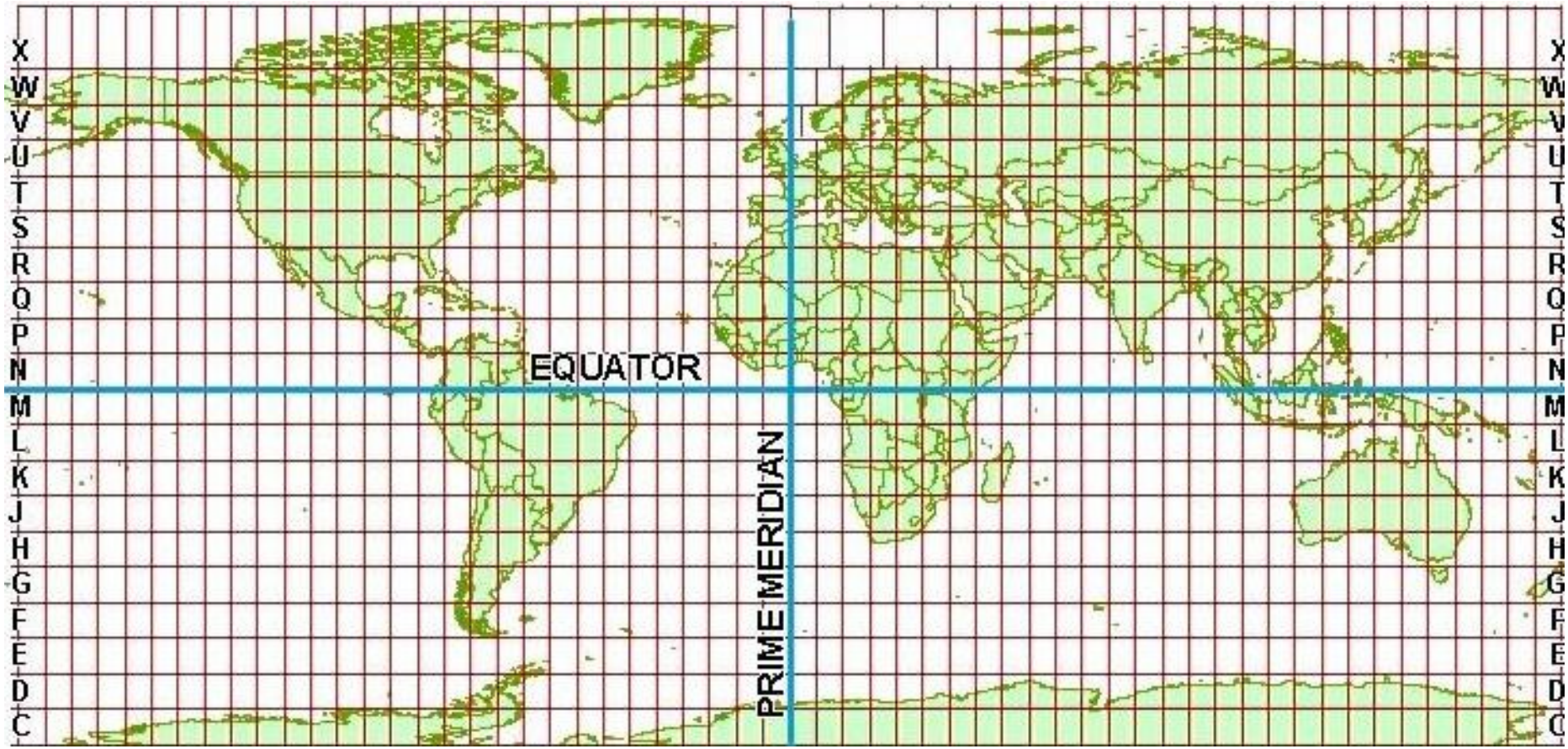
You are my travel agent, and I want go on a trip to all seven continents You can start anywhere in North America. The legs of the trip must begin and end on "lattice points" (intersections of the horizontal and vertical lines). For each leg of your trip, identify cities that are close to the beginning and ending points on the graph. Find the slope of the line (rise over run) and the distance (using the Pythagorean Theorem, rounded to the nearest tenth). For example, you can start at Washington, D.C (-13, 5) and go to Rio de Janeiro, Brazil (-8, -3). That line has a slope of -8/5 and a distance of 9.1. After that, maybe Europe, or Africa, or Antarctica (which won't have cities)! I've included a chart below for you to use. I'm sorry the graph doesn't have coordinates on it; you can figure it out!

You can accept one of two challenges: 1) get as close to zero as possible when you add up all of the slopes (you can add a seventh leg back to your start if you want to); or 2) make the trip that I am most interested in taking (less math, more "I wonder where Mr. Denney would like to go").

Leg	Start City	(x, y)	End City	(x, y)	Slope	Distance
1						
2						
3						
4						
5						
6						
7 (opt.)						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