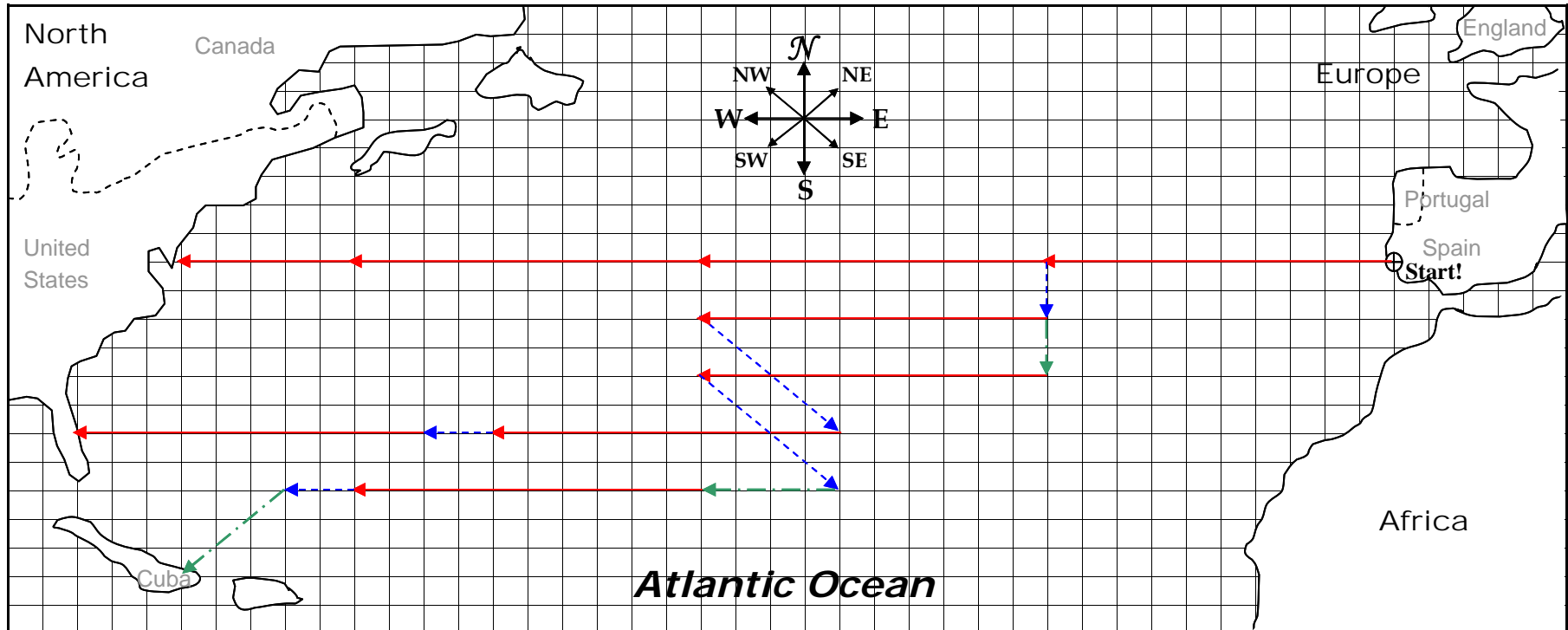


## Vector Voyage Solution Worksheet 3



### Vector Voyage Instructions

**Part 1:** Your ship can sail 10 squares/month. Sailing directly West from the Start position (Spain), draw one vector for each month of travel. In what country will you make landfall? USA (NY) How many months will it take to reach land (how many 10 square vectors is it)? 3.5

**Part 2:** Unfortunately, the wind does not always blow the way you want! Each month, you must add a wind correction vector to find your position:

←---Month 1: 2 squares south    Month 2: 4 diagonal squares southeast    Month 3: 2 squares west    Month 4: No wind

Where will you make landfall now? USA (FL) How many months to reach land (how many 10 square vectors is it)? 4

**Part 3:** Ocean currents affect boats too! Each month, you must also add a current correction vector to find your actual final position:

←---Month 1: 2 squares south    Month 2: 4 squares west    Month 3: 3 diagonal squares southwest

Where is your actual landfall? Cuba How many months to actually reach land (how many 10 square vectors is it)? 3