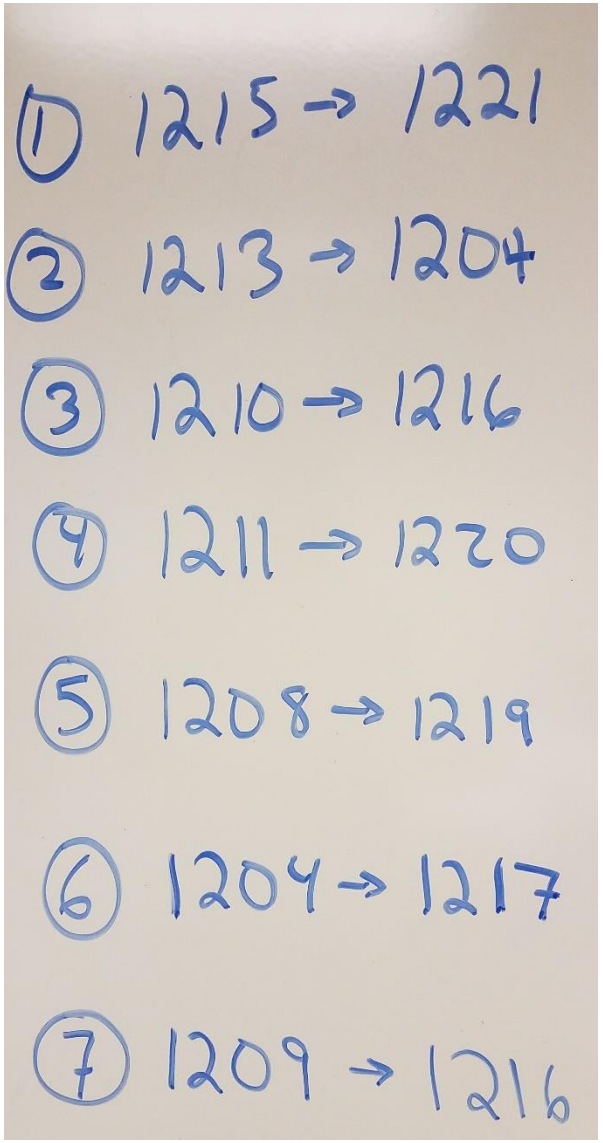
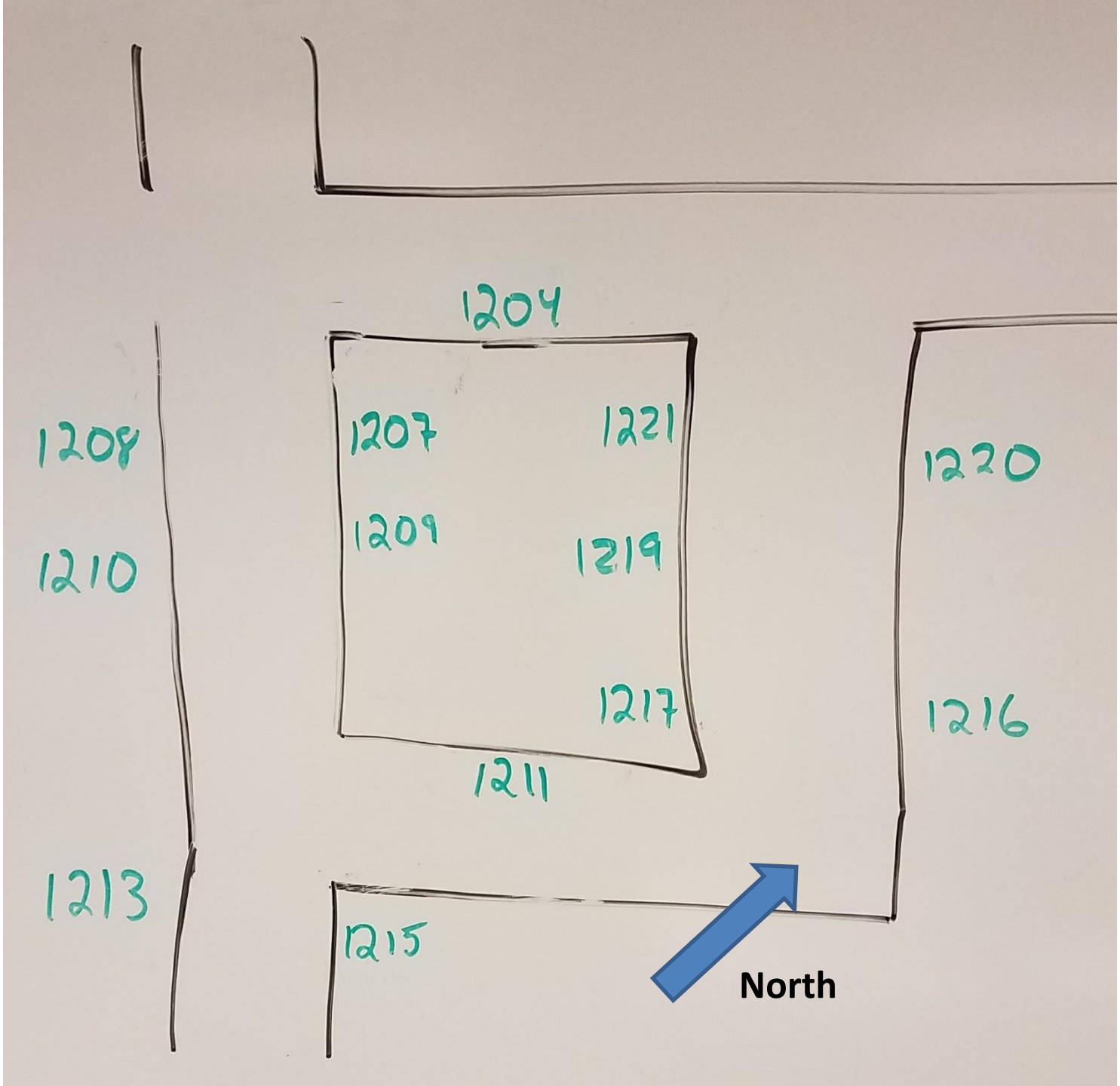
Hall Vectors

What do you think?

- A set of 2 rooms is assigned to each table. You should work in pairs.
- Predict the displacement (straight line in feet) between your assigned rooms. Yes, you should write your prediction on your paper.

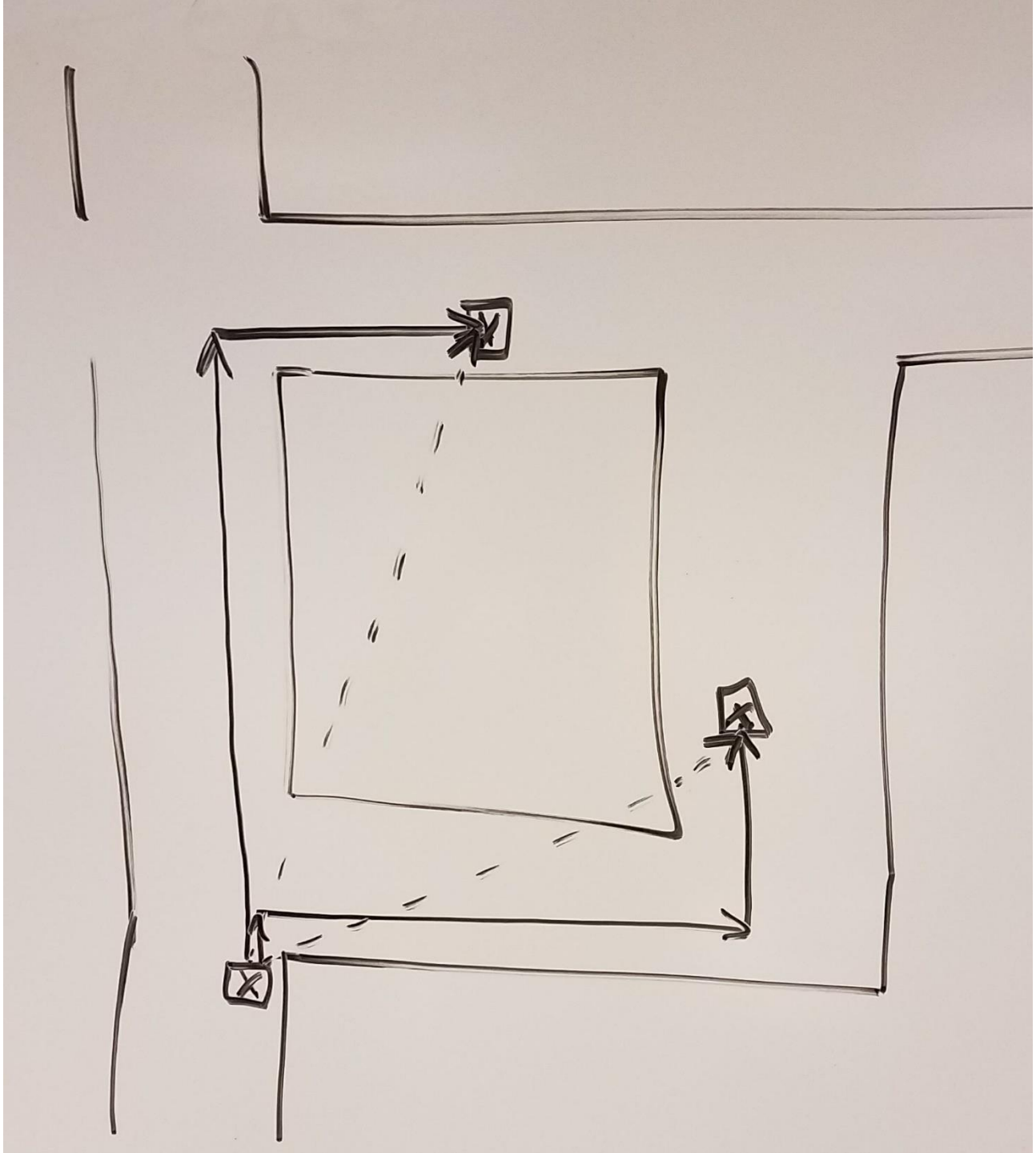



1204
1208
1207
1221
1220
1210
1209
1219
1217
1216
1211
1213
1215
North

Hall Vectors

Get a dry erase and go

- Walk from the door of the first room to the door of the second room. You must follow the floor tiles as a path. This will result in at least two perpendicular vectors.
- Sketch out the path you take on a dry erase board and write the distances in feet…using only the floor tiles.
- Return to the classroom and create your drawing.



Hall Vectors

Make it look pretty!

- Draw a scale vector drawing to represent the path you walked. Do this on your own paper.
- Draw the resultant vector between the points…this is the displacement.
- What is the actual displacement between your two points? This should be in feet and indicate the direction, *e.g. Δx = 35 ft west*

Hall Vectors

Were you correct?

- Have your scale diagram and displacement checked by Teters/Steed

- My prediction was off by ____%

  (0% is not off at all and 100% is off by the entire displacement)