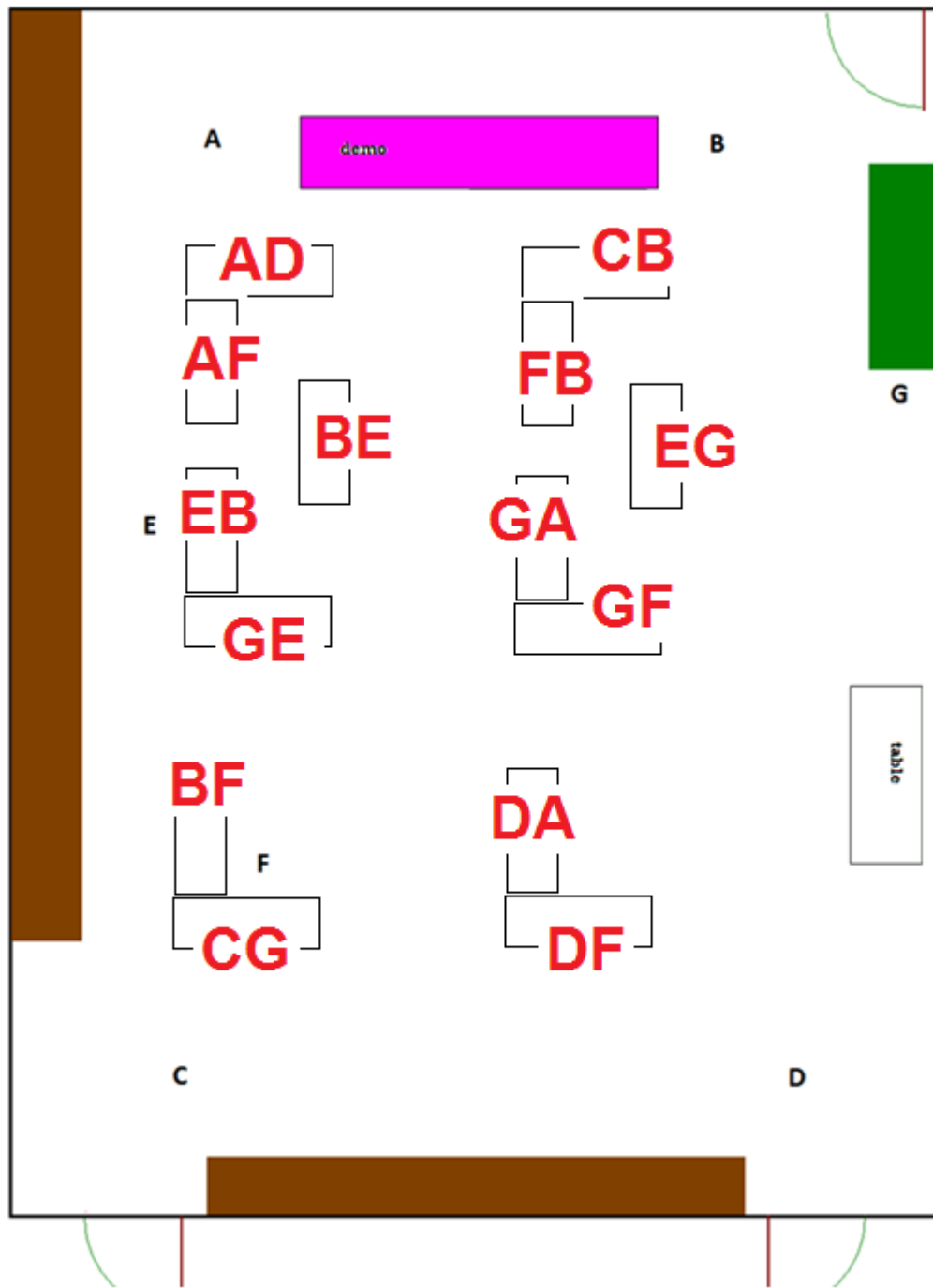


Room Vectors

1

What do you think?

- A set of 2 letters will be assigned to each table. You should work in pairs.
- Predict the displacement between your assigned letters. Yes, you should write your prediction on your paper.
- Remember to label everything as you work.



Room Vectors

3

Get a dry erase and go

- Walk from the first letter to the second letter. You must follow the floor tiles as a path. This will result in at least three perpendicular vectors. You can only walk along existing paths in the classroom (don't move the tables).
- Sketch out the path you take on a dry erase board and write the distances in feet...using only the floor tiles.

Room 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.* $\Delta x = 35 \text{ ft west}$

Room Vectors

5

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)

