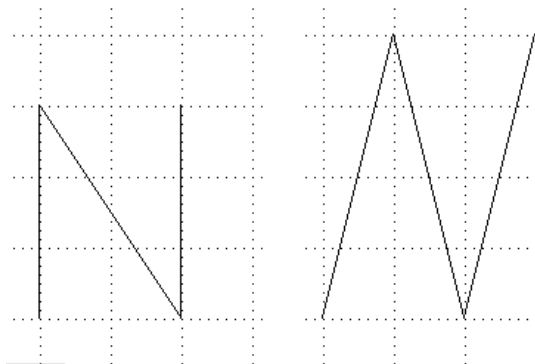


PAT AND JAMIE

Name _____ Group Members _____



Suppose the “N” on the left is written in regular 12-point font. Find a matrix A that will transform N into the letter on the right, which is written in italics in 16-point font.

Last semester, two linear algebra students—Pat and Jamie—described their approach to the Italicizing N Task in the following way:

“In order to find the matrix A , we are going to find a matrix that makes the “N” taller (from 12-point to 16-point), find a matrix that italicizes the taller “N,” and the combination of those will be the desired matrix A .”

1. Do you think their approach allowed them to find a matrix A ? Does it seem sensible? If so, do you think it was the same matrix A we found this semester?
2. Try Pat and Jamie’s approach. You should either: (a) come up with a matrix A by using their approach, or (b) be able to explicitly explain why this approach does not work.

Use your group’s whiteboard as a space to write out our work as you work together on this problem.