

Linear Algebra Quiz 2

Assume A and B are invertible 10×10 matrices and
 M is the inverse of A , and
 N is the inverse of B .

Express the following in terms of M and N :

1.) $(AB)^{-1}$

2.) $(\frac{1}{3}A)^{-1}$

3.) $(A^2B^T)^{-1}$

4.) $(AABAB)^{-1}$