AMAT 220: Linear Algebra, Spring 2012 Quiz # 12, March 8

Name: .....

If A and B are 3×3 matrices with $\det A = 4$ and $\det B = -3$, compute the following determinants:

- $\det A^T B$

- $\det (AB)^T$

- $\det (AB)^{-1}$

- $\det 5A$

- $\det B^{-1}$

- $\det B^3$

- $\det ABA^{-1}$

- $\det B^{-1}B$