

Additional Problems Assignment 32

1. Show that if  $A$  is an  $n \times n$  invertible matrix then  $\det(A^{-1}) = \frac{1}{\det(A)}$ .
2. Suppose that  $A$  and  $B$  similar  $n \times n$  matrices. Show that  $\det(A) = \det(B)$ .