## Additional Problems Assignment 22

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