QUIZ 5

1. Compute the determinants of the following matrices.

(1) (1 point) $\begin{bmatrix} 1 & 3 \\ -2 & 1 \end{bmatrix}$. Sol: 7

(2) (2 points) $\begin{bmatrix} 1 & 2 & 2 \\ -2 & 5 & -4 \\ 4 & 5 & -3 \end{bmatrix}$. Sol: -99

(3) (2 points) $\begin{bmatrix} 1 & 4 & 2 \\ 3 & 5 & 1 \\ 2 & 1 & 6 \end{bmatrix}$. Sol: -49

(4) (2 points) $\begin{bmatrix} 1 & 3 & 2 \\ 0 & 4 & 0 \\ 2 & 6 & 1 \end{bmatrix}$. Sol: -12

(5) (2 points) $\begin{bmatrix} 1 & 0 & -6 \\ 3 & 5 & 4 \\ 6 & 0 & 5 \end{bmatrix}$. Sol: 205