

Homework for Math256. Due Wednesday, Nov 10.

Compute determinants of the following matrices

$$(1) \begin{pmatrix} 1 & 2 & 4 \\ 1 & 3 & 9 \\ 1 & 4 & 16 \end{pmatrix}$$

$$(2) \begin{pmatrix} 0 & 2 & -1 \\ 1 & -3 & 9 \\ 5 & -7 & 0 \end{pmatrix}$$

$$(3) \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{pmatrix}$$

$$(4) \begin{pmatrix} 1 & 2 & 4 \\ 2 & 5 & 9 \\ 0 & 1 & 1 \end{pmatrix}$$

$$(5) \begin{pmatrix} 0 & 0 & -1 \\ 1 & -1 & 2 \\ 5 & -5 & 0 \end{pmatrix}$$