

Name/ID#: _____

Find the determinant of the following. Write everything on your paper. Show all work. Turn in your work. Good Luck!

$$(1) \begin{vmatrix} 4 & 6 \\ 5 & 4 \end{vmatrix}$$

$$(2) \begin{vmatrix} 7 & 5 \\ 8 & 9 \end{vmatrix}$$

$$(3) \begin{vmatrix} 3 & 6 \\ 8 & 4 \end{vmatrix}$$

$$(4) \begin{vmatrix} 7 & 7 \\ 8 & 8 \end{vmatrix}$$

$$(5) \begin{vmatrix} 2 & 3 \\ 3 & 2 \end{vmatrix}$$

$$(6) \begin{vmatrix} -8 & 5 \\ -4 & 8 \end{vmatrix}$$

$$(7) \begin{vmatrix} 3 & 2 \\ 6 & 4 \end{vmatrix}$$

$$(8) \begin{vmatrix} 7 & 7 \\ 5 & 14 \end{vmatrix}$$

$$(9) \begin{vmatrix} 7 & 6 \\ 6 & 7 \end{vmatrix}$$

$$(10) \begin{vmatrix} -8 & 7 \\ -7 & 8 \end{vmatrix}$$