

Name _____

Mathematics 205: Linear Algebra
Fall Semester 2004
David Haines
Quiz #19
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Compute the determinant below by cofactor expansion. At each step choose a row or column that involves the least amount of computation.

$$\begin{vmatrix} 6 & 0 & 0 & 5 \\ 1 & 7 & 2 & -5 \\ 2 & 0 & 0 & 0 \\ 8 & 3 & 1 & 8 \end{vmatrix}$$