

Name: _____
Student ID #: _____

Mini-Quiz # 5
MAT-022A-Summer Session II (8/12/09)

You have 15 minutes. You may only use a pencil (or pen) and scrap paper. You must show all your work carefully. No calculators, notes or books.

1. For the following matrices compute their inverses if possible or state otherwise. (3 points each).

(a) $A = \begin{bmatrix} 2 & 5 \\ 1 & -3 \end{bmatrix}$

(b) $B = \begin{bmatrix} 1 & 0 & 2 \\ 1 & -1 & 5 \\ 1 & 1 & -1 \end{bmatrix}$

2. Compute the following determinant. (4 points)

$$\det \begin{bmatrix} 2 & 2 & 0 & 1 \\ 2 & 3 & 1 & 1 \\ 1 & 1 & 0 & 0 \\ 2 & 0 & 0 & 4 \end{bmatrix}$$