

Name: _____ Date: 5 February 2009

QUIZ 2

1. (5 points) Complete Theorem 4 of section 1.4.

Let A be an $m \times n$ matrix. Then the following statements are logically equivalent.

a)

b)

c)

d)

2. (5 points) Describe all solutions to the equation $Ax = 0$ in parametric vector form where A is row equivalent to the matrix:

$$\begin{bmatrix} 3 & -9 & 6 \\ -1 & 3 & -2 \end{bmatrix}.$$