

# Math 4133 - Linear Algebra

Quiz #5 - 2013.02.28

Name: \_\_\_\_\_

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1. Find a value of  $a$  in the following  $2 \times 2$  matrix  $A$  so that  $A$  has no inverse.

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

2. Compute the transpose of the following matrix  $B$ :

$$B = \begin{bmatrix} 2 & -1 & 3 \\ 2 & 0 & 1 \\ -5 & 3 & -4 \end{bmatrix}$$