

# Math 1513 - College Algebra

## Written Assignment 15 - Due 2018.05.06

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Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations (if any). I will accept an answer in a scanned image format, as a pdf, or as a picture taken and sent from your awesome smart phone.

Find the value of  $a$  for which the following matrix has no inverse:

$$\begin{bmatrix} 1 & -7 & 0 \\ a & 4 & 6 \\ 3 & 4 & 8 \end{bmatrix}$$