

Name:
J#:
Date:

Dr. Clontz

# MASTERY QUIZ DAY 27

Math 237 – Linear Algebra

## Version 1

Fall 2017

Show all work. Answers without work will not receive credit. You may use a calculator, but you must show all relevant work to receive credit for a standard.

<b>Standard G1.</b>	Mark:
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Compute the determinant of the matrix

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

**Solution:** 15.



<b>Additional Notes/Marks</b>	
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## Version 2

Fall 2017

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<b>Standard G1.</b>	Mark:
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Compute the determinant of the matrix

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

**Solution:**  $-55$ .

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<b>Additional Notes/Marks</b>	
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## Version 3

Fall 2017

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<b>Standard G1.</b>	Mark:
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Compute the determinant of the matrix  $\begin{bmatrix} 3 & -1 & 0 & 7 \\ 2 & 1 & 1 & -1 \\ 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 \end{bmatrix}$ .

**Solution:** 2

□

<b>Additional Notes/Marks</b>	
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Math 237 – Linear Algebra

## Version 4

Fall 2017

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<b>Standard G1.</b>	Mark:
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Compute the determinant of the matrix

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

**Solution:**  $-15$ .



<b>Additional Notes/Marks</b>	
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Math 237 – Linear Algebra

## Version 5

Fall 2017

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<b>Standard G1.</b>	Mark:
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Compute the determinant of the matrix  $\begin{bmatrix} 2 & 3 & 0 & 1 \\ -1 & 3 & 1 & 4 \\ 0 & 2 & 0 & 3 \\ 1 & -1 & 3 & 5 \end{bmatrix}$ .

**Solution:**  $-60$ .

□

<b>Additional Notes/Marks</b>	
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Math 237 – Linear Algebra

## Version 6

Fall 2017

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<b>Standard G1.</b>	Mark:
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Compute the determinant of the matrix

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

**Solution:** 55.

□

<b>Additional Notes/Marks</b>	
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