

MA 341 – Review Assignment 6 (answer key)

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Question 1

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There is no solution. The system is inconsistent.

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Question 2

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$$x = 1.29$$

$$y = 2.57$$

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Question 3

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$$x = 6$$

$$y = -5$$

$$z = -3$$

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Question 4

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There is no solution. The system is inconsistent.

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Question 5

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$$\left( \begin{array}{cc|c} 1 & -3 & -2 \\ 0 & 7 & 13 \end{array} \right)$$

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Question 6

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$$\left( \begin{array}{ccc|c} 1 & -3 & 2 & -6 \\ 0 & 1 & -1 & 8 \\ 0 & -15 & 10 & -12 \end{array} \right)$$

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Question 7

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Question 8

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16

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Question 9

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-43

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Question 10

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$x = -5$