

# Standard Operations.

Fall 2018

Attendance Quizzes

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## Quiz 2

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- 1 Consider the augmented matrix

$$M = \left( \begin{array}{ccc|c} x & y & z & RHS \\ 1 & 2 & 3 & 4 \\ 0 & 1 & 6 & 7 \\ 2 & 0 & 3 & 11 \\ 1 & -2 & 3 & -5 \end{array} \right)$$

What is the pc list of  $M$ ? Explain why  $M$  is not in REF?

Answer:

- 2 Write down the necessary row operations in standard notation to clean the first column, which means that the new pc list is  $(1, p, q, r)$  where  $p, q, r$  are bigger than 1.

Answer:

The operations should not be carried out during the quiz, but must be practiced at home. You should also check if the system is consistent. **It is not!**