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| **Question Number** | **I** | **II** | **Total** |
| **Mark** |  |  |  |

**Instructions**

* Use any trusted source of information with proper citation and no plagiarism
* Work on this assignment as groups of three

**Question[I]**

(i) What is MATLAB?

(ii) For , , , , use MATLAB functions to compute

1. The Reduced Row Echelon Form of the augmented matrices and .
2. , , .
3. The solutions and of the linear systems and

**Question[II]**

Read Section 10.9 or Section 10.14 in *Elementary Linear Algebra* Applications Version book, the 11th Ed. Then, in no more than three A4 pages, answer **ONE** of the following questions:

1. How is Linear Algebra related to Computer Graphics?
2. How is Linear Algebra related to Cryptography?

Good Luck ☺