**Q1.**

The equation shows that the value of X will be in the right order if we divide B by A and take the square root of the Answer. But matriculants are just that-matrices. Counting the number of matriculants who are 0

----- > equation 1

- ---- > equation 2

= which is option B as Equation 2 = Equation 4

Option A:

---- > equation 3

Option B:

---- > equation 4

Option C:

---- > equation 5

Option D:

---- > equation 6

**Q2.**

The input syntax is incorrect. Even though we don’t have to write anything inside of them, there should be a pair of single inverted commas in the syntax. Yet we have to use

Syntax:

OR

The matrix won’t be displayed after each input if we opt to add a semicolon at the end.

**Q3.**

The function to be used is plot3(x, y, t). This will enable her to draw the requested three dimensional layouts. With t on the z-axis, the plot will display both the functions “f” and “g”.

**Q4.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **1st Order** | **2nd Order** | **3rd Order** |
|  |  |  |  |  |
|  |  | **=** |  |  |
|  |  |  |  |  |
|  |  | = |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

⇨

**Q5.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1.2 | 1.5 | 1.6 | 2 | 2.2 |
|  | 0.4275 | 1.139 | 0.8736 | -0.9751 | -0.1536 |

------- (1)

-------------- (2)

⇨

⇨

⇨

⇨

⇨

⇨

⇨

⇨

------------ (1)

------------- (2)

-------------- (3)

.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

------------ (4)

.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-------------- (5)

⇨

⇨

⇨ =178.0133-216.2348=-38.2214

⇨

⇨

⇨

⇨ =-105.5533+98.827=-6.7263

**Q6.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | 16 | 22 | 24 |
|  | 45 | 63 | 28 |

)

-5.125(18) + 100.375

⇨

**Q7.**

Explanation.

**Q8.**

--------- (1)

---------- (2)

⇨

⇨

⇨

**Q9.**

**Solution:**

2.296

**Q10.**

**Solution:**

And them I have done it using the 2nd method:

|  |  |
| --- | --- |
|  |  |

;

;

;