**ANSWER TEMPLATE for Lab 1 in ENGR-231 Spring 2022**

**Section: 62**   **Name: Cole Bardin**

*First Last*

You can use this answer template to record and submit your answers. It is provided as a convenience. Be sure to convert it to a PDF before submitting your completed lab.

**Question 1:** The exact number of points in the time vector is: 1257

**Question 2: Complete the last column in this table. TA will pick one at random to grade.**

|  |  |
| --- | --- |
| **Vector** | **Number of elements** |
| >> a = 1/4: 1/120: 1/3;  **% positive step** | **11** |
| >> b = 100: -9 : 0;  **% negative step** | **12** |
| >> c = [1:4:40 2:4:40 3:4:40]; c = sort(c)  **% features vector concatenation using [ ]** | **30** |

**Questions 3-5**

**Replace** the sample tiled plot with your final plot for three points.

**TA will award three points if:**

**1.** Colors match exactly. Red for y1, blue for y2 and magenta for the Lissajous curve.

**2.** Lissajous figure has the correct number of loops. Your graph will have a different number of loops than those shown in the sample.

**3.** The Lissajous Curve has been filled in **magenta**.

**Paste your plot here.**

Polygon

Description automatically generated with medium confidence

**Questions 6-10:** Paste a copy of your completed

**TA will award five points if:**

**1.** **Green** stem and outer sepals are correct.

**2. Large** **yellow** disc is visible behind the red petals.

**3.** Outer **red** petals are correct

**4.** Small **blue** disc in center is correct.

**5.** Inner **yellow** petals in center are correct.

flower in the answer template for five points.

**Note:** Your image **must not show** the starry night

sky shown in the sample images.

A picture containing text, vector graphics

Description automatically generated

**Ready to Submit?**

Be sure all ten questions are answered. When your lab is complete, be sure to submit four files:

1. Your **completed Answer Template** as a PDF file
2. A copy of your **original MALAB Script**
3. A copy of your **MATLAB Live Script**
4. A **PDF** copy of your **MATLAB Live Script** (Save-Export to PDF…)

The due date is the day after your lab section by **11:59pm** to receive full credit. You have one more day, to submit the lab (but with a small penalty), and then the window closes for good and your grade will be zero.