# Midterm Exam - DEMO

Name:

Date:

Class:

**Question 1.** Write a short example of an f-string that prints the value of variable `x` inside a sentence.

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**Question 2.** What library would you typically use for creating plots and graphs?

(A) random

(B) matplotlib

(C) NumPy

(D) SymPy

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**Question 3.** Put the commands in the right order to read a number and print its square:

1. `print("Square is ", square)`
2. `x = input("Enter a number:  ")`
3. `x = float(x)`
4. `square = x ** 2`

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**Question 4.** Match each Python statement with its purpose.

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|---|---|---|
| **Match:** | a. Repeats code until a condition is false | 1. print |
| | b. Checks a condition and chooses a branch | 2. if |
| | c. Displays output to user | 3. def |
| | d. Defines reusable code block | 4. while |

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