**Homework 3  
(501110-2) Introduction to Problem Solving  
Fall 2021  
Due: Saturday October 16, 2021, 11:59 p.m. via Blackboard**

* **Question 1**

**Hand trace the following program:**

1. Start

2. Declare n, m, x, y

3. m=10

4. n=m\*2/(m+2)

5. m=m%n+2

6. x=4

7. y=x\*2+10%3-2\*x

8. x=x\*(y/m)

9. Display n

10. Display m

11. Display x

12. Display y

13. End.

* **Question 2**

**Hand trace the following program:**

1. Start

2. Declare a, b, c

3. a=8

4. b=5

5. b=a+b

6. c= a+b

7. b=2\*a+b

8. c=b%a

9. Display a

10. Display b

11. Display c

12. End.