**Homework 3**

**(501110-2) Introduction to Problem Solving**

**Fall 2020**

**Due: Monday October 5, 2020, 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.**