

**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.