

Question 1**[10 marks]**

For each of the following expressions, give both its *value* and its *type*. Assume that the following declarations have been made:

```
int x = 10;
```

```
int y = 4;
```

```
double r = 10.0;
```

```
double s = 4.0;
```

expression	value	type
x + y	14	int
y - x	-6	int
y / x	0	int
y % x	4	int
x / y	2	int
x % y	2	int
r + s	14.0	double
r / s	2.5	double
s / r	0.4	double
x + r	20.0	double
x / s	2.5	double
r / y	2.5	double
x < y	false	boolean
x > x	false	boolean
x == r	true	boolean

SOLUTION — 2.5%

Name (print, surname first): _____

Monday, November 19 [version 1 of 4]

Signature: _____

10 minutes

Person #: _____

 A1 (T@8) A2 (W@4) A3 (R@12) A4 (W@8)

This assessment has 1 pages. Check that you have a complete paper.

Each candidate should be prepared to produce, upon request, his or her SUNY/UB card.

This examination has 1 questions. Answer all 1 questions.

READ AND OBSERVE THE FOLLOWING RULES:

- ▷ Write the following, in ink, in the space provided above,
 - ◊ your name, surname first,
 - ◊ your usual signature, and
 - ◊ your UB person number,
- ▷ All of your writing must be handed in. This booklet must not be torn or mutilated in any way, and must not be taken from the examination room.
- ▷ Show all of your work in arriving at an answer, unless instructed otherwise. Partial credit will be awarded as appropriate.
- ▷ Candidates are not permitted to ask questions of the invigilators, except in cases of supposed errors or ambiguities in examination questions.
- ▷ **CAUTION** — Candidates guilty of any of the following, or similar, dishonest practices shall be immediately dismissed from the examination and shall be liable to disciplinary action.
 - ◊ Making use of any books, papers or memoranda, calculators or computers, audio or visual cassette players, or other memory aid devices, other than those *explicitly authorised* by the examiners.
 - ◊ Speaking or communicating with other candidates.
 - ◊ Purposely exposing written papers to the view of other candidates. The plea of accident or forgetfulness shall not be received.

Do not write below this line!

Question	Points
1	/10
TOTAL	/10