

Software Design I (CS 120)
Quiz 02: Monday, 12 February 2018

NAME _____

- (1) (2 points) What are the values of the variables `num1` and `num2` after the following code runs?

```
int num1 = 1;
int num2 = 2;

num2 = num1;
num1 = 0;
```

- (2) (2 points) What are the values of the variables `num1` and `num2` after the following code runs?

```
int num1 = 2;
int num2 = 4;

num1 = num2;
num2 = num1;
```

- (3) (3 points) What are the values of the variables `num1`, `num2`, and `num3` after the following runs?

```
int num1 = 1;
int num2 = 2;
int num3 = num1;

num1 = num2;
num2 = num3;
```

- (4) (8 points) For each of the following, give the value of the assigned variable. If the line of code produces an error, simply write **ERROR**.

(a) `int xa = 9 / 2 * 4 - 1;`

(b) `int xb = 9 / 2 * (4 - 1);`

(c) `int xc = 9 / (2 * 4 - 1);`

(d) `int xd = 9 / 2.0 * 4 - 1;`

(e) `double xe = 9 / 2.0 * 4 - 1;`

(f) `double xf = 9 / 2 * 4 - 1;`

(g) `int xg = (int) 9 / 2.0 * 4 - 1;`

(h) `int xh = (int)(9 / 2.0 * 4 - 1);`