

CSCI1320 Quiz 3 Operators and Expressions - Key

1. If originally `int x = 4`, what is the value of `x` after the evaluation of the following expression? (7.5 points)
- a. `x = 2`
 - b. `x += 4`
 - c. `x += x+3`
 - d. `x *= 2`
 - e. `x /= x+2`

Ans: a. 2, b. 8, c. 11, d. 8, e. 0

2. If originally `x = 3` and `y = 5`, what is the value of `x`, `y` and the whole expression after the following expression? (5.5 points)

`x++ + ++y`

Ans: expression = 9, x = 4, y = 6

3. Given the following definitions, circle any/all statements that are valid assignments. (7 points)

```
#define NUM10 10
int x=1;
int y = 15;
```

- a. `x = 5;`
- b. `y = 5;`
- c. `x = y = 50;`
- d. `x = 50 = y;`
- e. `x = x + 1;`
- f. `y = 1 + NUM10;`
- g. `5 = y;`

Ans: a. valid, b. valid, c. valid, d. invalid, e. valid, f. valid, g. invalid