

EECE.2160: ECE Application Programming

Spring 2018

Lecture 4: Key Questions

January 29, 2018

1. **Example:** What values do w, x, y, and z have at the end of this program? (Review)

```
int main() {
    int w = 5;
    float x;
    double y;
    char z = 'a';
    x = 8.579;
    y = -0.2;
    w = x;
    y = y + 3;
    z = w - 5;
    return 0;
}
```


6. Explain the operation of the unary negation operator (e.g., $-x$).

7. **Example:** Evaluate each of the following expressions, including the type (`int` or `double`) in your answer.
 - a. $19/3$

 - b. $3/19$

 - c. $19\%3$

 - d. $3\%19$

 - e. $5 + 7/2$

 - f. $5.0 + 7/2$

 - g. $5 + 7.0/2$

 - h. $5 * 3 \% 3 / 6 + 14 + 10 / 2$

 - i. $5 * (3 \% 3) / 6 + 14.0 + 10/3$

8. Describe the use of `printf()` to print numeric values and characters.