16.216: ECE Application Programming
Fall 2014

Lecture 3: Key Questions
September 8, 2014

1. Explain how #define can be used to assign a symbolic name to a constant.

2. What are the four key characteristics of a variable?

3. What rules must be followed when naming variables?

4. Show how variables are declared and how values are assigned to them.

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

```
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;
}
```