

## Assignment 2

The point of this assignment is to familiarize students with mathematical operations in MATLAB and to understand how MATLAB interprets such operations.

### 0.1 Operations

Provide the following answer as if you were to type it into MATLAB. In other words, write exactly what the **Command window** would spit out. If there is an error, give a reason as to why the error would occur.

$$x = 2; y = 3; r = x + y \quad (1)$$

$$x = 2561; y = 14^2; x/y \quad (2)$$

$$x = 20; y = z + z; y \quad (3)$$

$$y = 13; x = 12; z = 251; \quad (4)$$

$$((y + 12)/x * z^2/3 * (21 + x))^{(1/2)} \quad (5)$$

$$\text{sqrt}(251) \quad (6)$$

$$\text{mod}(3, 6) \quad (7)$$

$$\text{round}(3.14159, 3) * 3 \quad (8)$$

$$\text{round}(3.14159 * 3, 3) \quad (9)$$

$$\text{ceil}(\text{abs}(200000 - 312898 + \text{sqrt}(12))) \quad (10)$$

Don't worry! We will go over built-in functions within the next class. For now just recognize that priority takes place within the function before the function is applied.