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.

\[
\begin{align*}
  x &= 2; y = 3; r = x + y \\
  x &= 2561; y = 14^2; x/y \\
  x &= 20; y = z + z; y \\
  y &= 13; x = 12; z = 251; \\
  ((y + 12)/x * z^2/3 * (21 + x))^{(1/2)} \\
  \text{sqrt}(251) \\
  \text{mod}(3, 6) \\
  \text{round}(3.14159, 3) * 3 \\
  \text{round}(3.14159 * 3, 3) \\
  \text{ceil}(\text{abs}(200000 - 312898 + \text{sqrt}(12)))
\end{align*}
\]

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.