Requirements

1. Functional
   1. Basic arithmetic
      1. Adding, subtracting, multiplying, dividing operations
   2. Ability to create variables, assign them values
      1. Assign them values (i.e. x=5)
      2. Use them in arithmetic operations alongside variables (i.e. x=5, x+6 = 11)
   3. Ability to use symbolic expressions, equations
      1. x^2 + 2x + 4, able to display value of certain iterations.
      2. sin(x), trigonometry functions
      3. x/2 +5, expressions with fractions
   4. Order of operations
      1. Which operations have priority over others
   5. UI (Optional)
      1. Display symbols to symbols to the user
      2. Buttons to allow user to input values/symbols
2. Non-functional
   1. **Performance**
      1. Complexity for processing needs to be at a reasonable level, it should not stutter or ruin the user experience
   2. Easy-usability, User-experience
   3. **Reliable**
      1. Won’t crash, errors are displayed in a user friendly way

X+1; x=2. This is the basic fundamental step.