

QUESTION 1

- Write down the following functions in script and call these functions in command window:

- $x = \frac{1}{1+e^{-(t-15)/6}}$

- $y = (\sqrt{a} + \sqrt[21]{b})^\pi$ recall that $\sqrt[g]{h} = h^{\frac{1}{g}}$ and use `sqrt`. You can also use `nthroot`.

- $z = \frac{\log(\text{Re}[(c+d)(c-d)]\sin(a\pi/3))}{c\bar{c}}$ where $\text{Re}(z)$ represents the real part of the complex number in brackets, \bar{c} is the complex conjugate of c .

– Create a single script file with the above function.

- Find the value of $f(x, y, z)$ by calling it in command window for some values of t, a, b, c, d .